



**NETS2022**  
**CHANGING LANDSCAPES**

**REGISTRATION  
INFORMATION**



**3-5 AUGUST 2022**  
**CHRISTCHURCH**

# Day 1 Wednesday 3 August 2022

8.30 Mihi Whakatau and President's Welcome

9.00 Setting the Scene: Backgrounder from Environment Canterbury

9.30 KEYNOTE SPEAKER: *Melanie Mark-Shadbolt, CEO for Te Tira Whakamātaki and Kaihautū Chief Māori Advisor to the Ministry for the Environment*

10.00 *Morning tea*

10.40 The Changing Landscape of LINZ Biosecurity & Biodiversity (*I.Gunn, Toitū Te Whenua LINZ*)

11.00 Ethical Guidance for Tangata Tiriti in Curating Shared and Relational Values in Biosecurity Practices (*A.Grant, Scion*)

11.20 Changing Landscapes: Driving Behavioral Change at a Grassroots Level Within the Wine Industry (*S.Badland, New Zealand Wine*)

11.40 Walking Dogs on Te Henga/Bethells Beach: Conservation/Human Conflict (*D.Fraser, Unitec New Zealand*)

12.00 *Lunch*

1.00 KEYNOTE SPEAKER: *Simon Upton, Parliamentary Commissioner for the Environment*

## ADAPTATIONS

1.30 New Opportunities from a Pandemic World  
*S.Cox, Toitū Te Whenua LINZ*

1.50 Improve, Overcome, Adapt  
*H.Louw, Wellington City Council*

2.10 Adaptation is Key: Learning Journey of Predator Free Landscape Projects  
*M.Brignall-Theyer, Predator Free 2050 Ltd*

2.30 Tools for Developing Cost-Effective Decisions for Managing Invasive Pest Eradications  
*A.Gormley, Manaaki Whenua Landcare Research*

2.50 Adapting Techniques to Combat the Vessels Transporting Marine Pests  
*A.Wills, Bay of Plenty Regional Council*

3.10 Sewing the Patchwork Quilt of Landscape-Scale Pest Control  
*B.Barrett, Boffa Miskell Ltd*

## AQUATIC

Trophic Manipulation as a Tool for Exotic Fish Control in Lake Tomarata  
*E.Hussain, Auckland Council*

Changes in Koi Carp Management: Options to Protect High Value Sites  
*M.Archer, Place Group Environmental Planning*

The Challenges of Controlling Pest Fish in a Natural Lake  
*B.Studholme, Auckland Council*

Aquatic Alligator Weed (*Alternanthera philoxeroides*) Management Field Trials in the Waikato: A Collaboration  
*D.Clements, NIWA*

Potential Dissolved Oxygen Impacts from Hessian Benthic Barriers Smothering *Lagarosiphon major*  
*M.De Winton, NIWA*

Complexities of Running a Biosecurity Program Underwater  
*T.Burton, Toitū Te Whenua LINZ*

3.30 *Afternoon tea*

## ANIMALS

4.00 An Inclusive Approach to Community Consultation on Kawau Island  
*J.Alach, Island Conservation*

4.20 Managing the Impact of Goats and Deer Across New Zealand  
*B.Reddiex, Department of Conservation*

4.40 Continuing Field efficacy of Norbormide against both *Rattus rattus* & *R. norvegicus*  
*C.Eason, Lincoln University*

5.00 Island Biosecurity  
*A.Warren, Department of Conservation*

5.20 A Wallaby-free Aotearoa: Working Towards an Aspirational Goal  
*S.White, MPI*

## TECHNOLOGY

A New Tool for Incursion Detection: The Use of eDNA in Non-Flowing Water Bodies  
*K.Bodmin, Department of Conservation*

Introducing eDNA as a Whole Ecosystem Health Assessment Tool  
*D.Mair, Tuwharetoa Maori Trust Board*

Detecting the Last Predator: Robotics and Swarm Technologies  
*B.Warburton, Manaaki Whenua Landcare Research*

Targeting the Gaps in Predator Control: A Precision Guided System to Dispense Bait  
*C.Morley, Toi Ohomai Institute of Technology*

Overcoming Neophobia and Increasing Pest-device Interactions at a Landscape Level  
*K.Kumar, Boffa Miskell Ltd*

## COMMUNITY AND PARTNERSHIPS

Working in Partnership to Protect Canterbury's Braided Rivers Biodiversity.  
*S.Thomason, Toitū Te Whenua LINZ*

Pest Free Howick Ward: Connecting Conservation over Auckland's Most Populated Local Board  
*N.Erikson, Auckland Council*

Activating the Community to Control Old Man's Beard in Wellington  
*N.Charman, Old Man's Beard Free Wellington*

Partnerships to Better Outcomes  
*K.Gallagher, Toitū Te Whenua LINZ*

Weedbusters: Why I Miss It  
*I.Keenan, Wellington City Council*

5.40 *New Zealand Biosecurity Institute Annual General Meeting*

6.30 *Mix 'n' Mingle*

# Day 2 Thursday 4 August 2022

## WILDING CONIFERS

- 9.00 Wilding Conifer Control and Preventing the Spread  
*S.Smith, Biosecurity New Zealand*
- 9.20 The Role of Advocacy in a Landscape-Scale Biosecurity Response: A Wilding Conifer Case Study  
*R.Bowman, Wilding Pine Network*
- 9.40 Integrated Community and Agency-Led Wilding Conifer Management across the Marlborough Region  
*J.Underwood, Marlborough District Council*
- 10.00 Wilding Conifer Eradication: Changing the Landscape in Northern Coromandel  
*P.Russell, Better Biosecurity Solutions Ltd*

## INSECTS AND DISEASES

- Queen Wasp Control: Intervening in the *Vespula* Wasp Life Cycle  
*G. Payze, Whakatane Kiwi Trust*
- New Classical Biological Control of Invasive *Vespula* Coming Soon to New Zealand  
*B.Brown, Manaaki Whenua Landcare Research*
- Ahuahu Argentine Ant Eradication -  
*T. Van Noort, Great Mercury Island Ltd*
- On the Nose? The Effectiveness of Kauri Dieback Detector Dogs in Controlled Settings  
*S.Killick, Auckland Council*

10.20 Morning tea

## FIELDTRIPS - buses leave at 11am

### Zero Invasive Predators and Living Springs

The first stop on our field trip will take us to the Zero Invasive Predators (ZIP) research facility in Lincoln, where the team is studying predator behaviour, novel solutions for predator control, and running proof of concept trials. The work being undertaken at ZIP is cutting edge in the field of biosecurity. Our group will have a chance to observe and discuss key pieces of work including dye marker trials, novel trap development for predator elimination, predator fencing, and discussions around field applications. For our second stop we will look more closely at predator control in action but at-scale in a landscape setting. This will look at a vital pest control project on the Banks Peninsula that is part of a larger Predator Free 2050 objective. Multiple trapping and detection techniques have been employed to target a number of key pests. The successes, trials and learning will be discussed by the on-ground staff.

*Numbers will be limited.*

### Te Waihora

Join us on a trip to Te Waihora/Lake Ellesmere – one of the most important wetland habitats of its type in Aotearoa New Zealand, and an area of cultural, natural, historic, and recreational significance to many people. Due to a change in land use over time, the lake has suffered significant environmental impacts; however, there are exciting programmes in place to restore Te Waihora. The trip will showcase the work done by the Weed Strikeforce Team, who are undertaking extensive willow control and planting 100,000 natives as part of the One Billion Trees project, and more!

*Numbers will be limited.*

### Whakaraupō and Ōtamahua

Join us as we venture to Whakaraupō/Lyttleton Harbour and Ōtamahua/Quail Island, where we will be indulged with beautiful sites, stories of the past, and some exciting new projects. One part of this trip will include a bus tour of the largest Port in the South Island, complete with commentary and some interesting stops. The other part of the trip will include a boat cruise to Ōtamahua, where we will explore, hear about the island's rich history, and learn of some of the mahi that goes into helping this island become predator-free.

*Numbers will be limited, surcharge for this fieldtrip applies.*

### Kate Valley Landfill and Waipara Hills Winery & Cafe Wine tasting

Operated by Transwaste Canterbury, Kate Valley Landfill is the most comprehensively engineered waste management facility in the South Island of New Zealand. Previously farmland, the design and operation of the 37-hectare Kate Valley Landfill addresses all the known environmental risks and concerns. In addition to being built on impermeable siltstone, the Landfill has a multi-layered liner that completely seals the base and sides of the Landfill. A leachate management system collects and stores leachate ready for treatment, and a gas management system collects methane gas produced by the Landfill and pumps it to generators that produce electricity. A surface water management system separates and collects storm water ensuring only clean water flows down to the wetlands in the adjacent Tiromoana Bush. Learn how the Landfill was constructed, how environmental issues such as leachate, gas, and water are collected and managed onsite, and how the Landfill operates from the delivery of waste including deep burial of invasive pest plants, to compacting and safety. Kate Valley Landfill receives pest species for deep burial throughout each year including materials related to *Mycoplasma bovis*, border incursions, and pests and unwanted organisms from the Ministry for Primary Industries and Environment Canterbury. Finish up this fieldtrip with a Waipara wine tasting experience and perhaps take a bottle or more home with a visit to the Waipara Hills Winery & Café on the way back to Christchurch.

*Numbers limited, and a wine tasting charge will apply for those wishing to partake!*

6.00 Happy Hour

7.00 Conference Dinner

# Day 3 Friday 5 August 2022

## INFO AND DATA MANAGEMENT

- 9.00 Ruru: A New Conservation Database for Auckland Council  
*A.MacDonald-Creevey, Auckland Council*
- 9.20 Tracking Changes Over Time in BOPRC's new Biosecurity Information System, GeoPest  
*J.O'Connell, Bay of Plenty Regional Council*
- 9.40 Identifying Areas for Predator Control Efforts Based on Landscape-scale Biodiversity Outcomes  
*K.Heaphy, Boffa Miskell Ltd*
- 10.00 Epidemiological Approach to Kauri Population Health Monitoring in the Waitākere Ranges, Auckland  
*Y. Chew, Auckland Council*
- 10.20 Nassella Tussock: A New Web App to Guide Grubbing Management  
*G.Bourdôt, AgResearch*
- 10.40 Plant Pass - a new biosecurity risk management scheme for plant producers  
*J.Liddle, NZPPI*

## PEST PLANTS

- Sea Spurge: Coming to a Beach Near You ?  
*F.Thomson, Department of Conservation*
- Building Up from Regional to National Information for Low Incidence Pest Plants  
*G.McCarthy, Bay of Plenty Regional Council*
- Localised Behaviour of Chilean Myrtle, Cascara Buckthorn and Chilean Mayten in the Tasman district  
*B.Cook, Tasman District Council*
- Long-term Changes in Wetland Vegetation Following Willow Control  
*P.Champion, NIWA*
- Washed Out Weeds  
*B.Williamson, Boffa Miskell Ltd*
- Improved Surveillance and Decision-Making for Pest Plant Eradications Pays Big Dividends!  
*I.Bassett, Auckland Council*

11.00 Morning tea

## WRAP UP

- 11.30 GEMS - Short Presentations
- 12.00 Session Summaries
- 12.30 President's Closing and Call to Conference NETS2023
- Mihi Whakakapi

1.00 Lunch

## General Information

### VENUE and ACCOMMODATION

NETS2022 is being held at the Christchurch Town Hall. Delegates need to make their own arrangements for accommodation and parking during their stay.

### REGISTRATIONS

Online registrations can be made at [www.netsconference.co.nz](http://www.netsconference.co.nz)

**Full Registration includes:** all sessions, lunches, morning and afternoon teas, handbook, field trip (unless extra charge specified), Mix 'n' Mingle and NETS dinner function..

**One-Day Registration includes:** sessions, tea breaks and lunch on day selected, and field trip (unless extra charge specified) if day registration is for Thursday 4 August. Excludes tickets to social events - these can be purchased online when you register.

**Student Registration includes:** sessions, tea breaks and lunches, field trips (unless extra charge specified) Mix 'n' Mingle and NETS dinner function.

### Registration Fees

- Early Bird applies to registrations received on or before 10 July 2022 only.
- Discounted member registration fees only apply for those NZBI members who paid their 2022 subscriptions before 31 March 2022.
- Non-members who attend NETS will be offered free trial membership until December 2023, unless they have had a free trial membership previously.

### Changes, Cancellations and Refunds

Any changes or cancellations of your registration must be notified via email to [carolyn.lewis@xtra.co.nz](mailto:carolyn.lewis@xtra.co.nz) as soon as possible. A full refund of registration fees, less an administration fee of \$150, will be made for cancellations before 20 July 2022. Refunds or cancellations received after this date will not be possible unless exceptional circumstances prevail and are at the discretion of the committee. Registrations may be transferred to another name at no charge.

### SPECIAL REQUIREMENTS

If you require vegetarian, diabetic, dairy-free or gluten-free meals, or special assistance while at NETS2022, please let us know on your registration form and we will try to assist.

### NEW MEMBER

If you are new to NZBI or NETS and would like to be allocated a buddy to introduce you to others please let us know.

### PRIVACY ACT

The conference handbook will include a list of all attendees and their contact details. Please tick on the registration form if you DO NOT want your details to be included.

### TRAVEL INSURANCE

Neither the organising committee of NETS2022, its individual members nor the conference organiser can accept any liability for death, injury, any loss, cost or expense suffered by any person attending NETS2022. Delegates are strongly advised to take out travel insurance to cover medical expenses, accidents, loss, damage, etc.

### DISCLAIMER

The organising committee of NETS2022 reserves the right to modify the programme as needed, and is not able to guarantee that any particular person will appear as a speaker or any particular workshop or fieldtrip will be run, should circumstances require a cancellation or change to the programme.

### UPDATES & COVID-19

Please check for updates and more information, including Covid-19 requirements, at [www.netsconference.co.nz](http://www.netsconference.co.nz)

### CORRESPONDENCE and QUESTIONS

Please contact Carolyn Lewis, NETS2022 Conference Organiser at [carolyn.lewis@xtra.co.nz](mailto:carolyn.lewis@xtra.co.nz) or 0274 434 431 if you have any questions or require further information.