

# Conference Programme

New Zealand's Biological Heritage  
National Science Challenge presents

CRAZY &  
AMBITIOUS 

National  
**SCIENCE**  
Challenges

NEW ZEALAND'S  
BIOLOGICAL  
HERITAGE

Ngā Koiora  
Tuku Iho

# Crazy & Ambitious 4 Building on Momentum



3 & 4 APRIL 2024 • TE PAPA, WELLINGTON

[bioheritage.nz/crazy-ambitious-4](https://bioheritage.nz/crazy-ambitious-4)



# EVENT PROGRAMME

**DAY 1**

**WEDNESDAY 3<sup>RD</sup> APRIL**

**9:00 AM - 5:30 PM**

**8:30 - 9:00 AM**     **Registration**     Desk open for check-in

**9:00 AM**     **Conference starts**     Mihi Whakatau - Formal Welcome

**KEYNOTE SPEAKER**     **Tame Malcolm**, Department of Conservation  
The mātauranga of conservation

**10:00 - 10:20 AM**     **MORNING TEA**

**10:20 – 12:00 PM**     **WHAKAMANA (EMPOWER)**

Eco-index tech toolkit: optimising biodiversity impact

Kiri Joy Wallace, John Reid, Catherine Kirby & Corey Ruha

How partnership with Eco-index helps merino farms develop biodiversity targets

**Monica Schwass**, New Zealand Merino Company

Helping communities realise their biological heritage aspirations

**Jane Kitson, Pike Stahlmann-Brown** (with **Lynette Rogers** & **Marina Hape**, The Fairfield Project)

Accounting for social and cultural considerations

**Nathan Matamua**, Massey University

Bio-cultural approach to biodiversity monitoring

**Dion Pou**, Te Atatu Marae Whanau Committee and Rivercare Te Wai o Pareira

**Whakamana panel discussion** – enabling the valuing and protection of our environment

- with **Erina Watene (chair)**, **Tame Malcolm**, **John Reid**, **Jane Kitson**, **Aroha Mead**

**12:00-12:50 PM**     **LUNCH**

**12:50 – 4:40 PM**     **BUILDING ON MOMENTUM**

**KEYNOTE SPEAKER**     **Joshua Viers**, University of California Merced  
Inclusive innovation



## QUICK-FIRE PRESENTATIONS – ACHIEVEMENTS AND NEXT STEPS

What is a good decision in biosecurity?

**Melanie Newfield**, He Tangata, He Taiao, He Ōhanga

Surveillance – new tools and technologies for surveillance

**Steve Pawson**, University of Canterbury

Te Tiriti-guided national DNA reference library

**Manpreet Dhami**, Manaaki Whenua Landcare Research

Beyond the traps – community values drive choices of predator management tools

**Ally Palmer and Izzy Busby**, University of Canterbury

Controlling Invasive invertebrates

**Phil Lester and Ocean Mercier**, Victoria University of Wellington

Dialogue on complex socio-environmental issues

**Marie McEntee**, University of Auckland

Anticipating Aotearoa's weedy future

**Angela Brandt**, Manaaki Whenua Landcare Research

**2:40 - 3:00 PM**

**AFTERNOON TEA** – *Refreshment sponsor Bioprotection Aotearoa*

Eco-index science for impact

**John Reid**, Earth Quotient and **Kiri Joy Wallace**, University of Waikato

Social-ecological relationships driving ecosystem regeneration

**Danielle Shanahan**, Zealandia and **Joanne Clapcott**, Cawthron Institute

Māori conservation map

**Aroha Mead**, Independent Research Director

Freshwater for our taonga

**Jane Kitson**, Kitson Consulting, **Helen Warburton**, University of Canterbury,

**Erina Watene**, BioHeritage Pou Pūtaiao

Me Tū ā-Uru – Together for a flourishing Aotearoa

**Maria Bargh**, Victoria University of Wellington

**KEYNOTE SPEAKER**

**Kevin Prime**, BioHeritage Ambassador

Building on Momentum – the future of our taiao

**4:40 – 5:40 PM**

**NETWORKING CONNECTION HOUR**

Mingle and meet, with drinks and canapés





**DAY 2: THURSDAY 4<sup>TH</sup> APRIL**

**8:45 AM - 4:30 PM**

TIME	DESCRIPTION
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**8:45 – 10:15 AM WHAKAHOU (RESTORE)**

Restorative – Collective Action

**Kiely McFarlane**, Cawthron Institute

Living Laboratories – restoring native forest and human relationships

**Sarah Burli**, Auckland University of Technology

Kanakana ki Mataura

**Riki Parata, Tāne Tāmāti, Luka Whaitiri Finn**, Hokonui Rūnanga Kaupapa Taiao

Te Karanga o Ngā Tuna - Mana Whakahaere in Action

**Poto Davis, Wikitoria Tane, Zane Eramiha, Aiden Riki-Te Kanawa**,

Ngā Kaitiaki o te Awa – Waikato and Waipa River Iwi Tuna Roopu

Me Tū ā-Uru – Together for a flourishing Aotearoa

**Maria Bargh**, Victoria University of Wellington

Whakahou panel discussion – restoring our natural environment beyond 2024: lessons learnt  
- with **Bruce Clarkson (chair), John Reid, Maria Bargh, Erina Watene, Danielle Shanahan**

**10:15 -10:40 AM MORNING TEA**

**10:40 – 12:10 PM TIAKI (PROTECT)**

Session sponsor Department of Conservation

A values-based biosecurity risk assessment framework

**John Kean**, AgResearch

Risk assessment – weeds

**Imogen Bassett**, Auckland Council

Future scenarios and plant invasions

**Jennifer Bufford**, Manaaki Whenua Landcare Research

Controlling invasive invertebrates

**Phil Lester and Ocean Mercier**, Victoria University of Wellington

The need for alternative control products for varroa

**David Wiessing**, Dave's Bees

Co-design for community surveillance

**Te Poari Newton, Stevee Raureti, Brayden Hohaia, Serene Ratu**, Kāwai Kaimai

Te Tiriti-guided national DNA reference library

**Manpreet Dhimi**, Manaaki Whenua Landcare Research



Community values drive tools

**Ally Palmer and Izzy Busby**, University of Canterbury

Games for dialogue on environmental gene tech

**Fabien Medvecky**, Australian National University

**12:15 - 1:00 PM** LUNCH – including games for dialogue

**1:00 – 2:15 PM** **TIAKI (PROTECT) - CONTINUED**

What success will look like?

A special video with the late **Sir Rob Fenwick**, Predator Free 2050, followed by video update

**KEYNOTE SPEAKER**

**Estelle Pura Pera-Leask, Predator Free Rakiura**

The journey to predator free Rakiura

Tiaki panel discussion – are we better placed to deal with future invasive species and threats?

- with **Andrea Byrom (chair)**, **Estelle Pura Pera-Leask**, **Steve Pawson**, **Nikki Harcourt**, **Phil Lester**

**2:15 – 4:30 PM** **CLOSING WITH IMPACT**

Science impact

**Helen Warburton**, BioHeritage Resident Scientist/University of Canterbury

BioHeritage Challenge International Science Advisory Panel

- with **Duane Peltzer**, BioHeritage Challenge Chief Scientist

The value and future of mission-led science

**Sarah Young**, Executive Dean, Faculty of Science, University of Canterbury

**2:50 - 3:15 PM** **AFTERNOON TEA** – Refreshment sponsor *Bioprotection Aotearoa*

Introducing the Crazy & Ambitious 4 closing session

**Daniel Patrick**, Co-Director BioHeritage Challenge

The challenge of setting up the Challenge

**Bruce Clarkson**, BioHeritage Ambassador & University of Waikato

Creating impact in Aotearoa New Zealand's science system

**Andrea Byrom**, former Co-Director of the BioHeritage Challenge

A review of BioHeritage's achievements and approach

**Melanie Mark-Shadbolt**, Co-Director BioHeritage Challenge

Closing remarks

**Glenice Paine & Rob Phillips**, Co-Chairs BioHeritage Mana Rangatira Governance Board

**4:30 PM** **Karakia whakamutunga**

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BIOLOGICAL  
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Nga Kolora  
Tuku Iho

National  
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Challenges

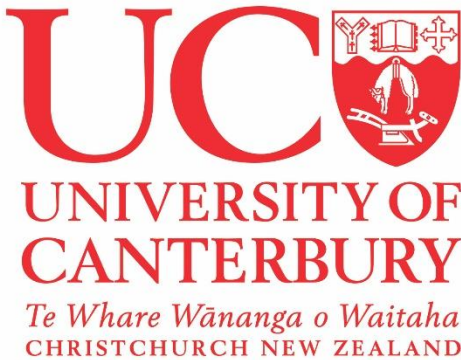
**CRAZY &  
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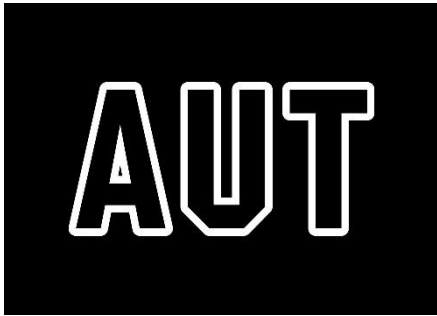
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CANTERBURY**

*Te Whare Wānanga o Waitaha*  
CHRISTCHURCH NEW ZEALAND

Conference app



Tiaki session sponsor



Department of  
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*Te Papa Atawhai*

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**Manaaki Whenua**  
Landcare Research

Bronze + coffee cart



**Te Tumu Whakaora Taiao**  
Environmental  
Research Institute

THE UNIVERSITY OF WAIKATO

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Afternoon refreshment + bronze sponsor



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Aotearoa

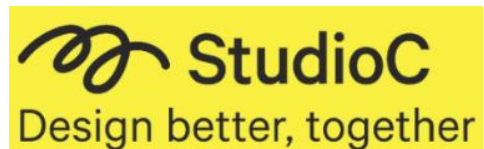
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