

# KAITIEKITANGA, BIOSECURITY THREATS AND RESPONSES

Waipaina Awarau

Ngāti Porou

B3- Better Border Biosecurity  
AgResearch



Protecting taonga native species, plant biosecurity, seeds



# Whanaungatanga

2017 - Myrtle Rust, Mana whenua responses, TTW (Te Tira Whakamataki) Māori Biosecurity Network and Kew Gardens, England



ROD- Rapid  
ōhi'a death  
Kanaka Maoli  
Ohana  
Hawai'i



USDA  
University Hawai'i  
Akka Foundation  
USGS



Royal Botanic Gardens  
**Kew**

# Global seed conservation training

## Seed banking



# Biosecurity threats – Hawai‘i

Assessing the risk of ROD rapid ōhi‘a death to Aotearoa and the Pacific B3 – (Better, Border, Biosecurity)

*Metrosideros polymorpha* – Ōhi‘a lehua

*Metrosideros excelsa* - Pohutukawa





Collecting seeds in the field – to send off to Hawai'i test for resistance to ROD



# Increasing Biosecurity threats

More community engagement around these issues and ensuring the team of 5 million are aware of potential risks and their impacts.

Being better prepared and learning from other countries who have and are experiencing these threats

Using indigenous values in biosecurity responses to effectively work with communities in the Pacific and Australasia

Building the capability of and empowering communities to better respond to these risks.

Better emergency response plans to include a wide range of the community

Foster international cooperation and embrace a proactive stance to biosecurity incursions

## Kia ora/Mahalo/Thank you