### OUR LAND AND WATER S Y M P O S I U M Kia Mauri Ora te Whenua

FUTURE LANDSCAPES

## **Faecal Source Tracking**

Adrian Cookson – AgResearch Ltd

Arapera Paewai – Te Kāuru (Eastern Manawatū River) Hapū Collective

@OurLandandWater #OLW2019

National SCIENCE Challenges

OUR LAND

Data to when a



#### FUTURE LANDSCAPES

In the future landscapes contain mosaics of land use that are more resilient, healthy and prosperous than today.

#### **Strategic Area 1**

Be able to see what diversity is possible and match land use to what it is suitable for.

#### **Strategic Area 2**

Understand and model the management of land and water quality.

#### **Strategic Area 3**

Provide the novel production systems that use healthy land and water to generate high-value products.

## 

#### INCENTIVES FOR CHANGE

New Zealand's primary producers are well-rewarded for producing high-value products in sustainable ways.

#### **Strategic Area 4**

Capture and share with the producers more of the value consumers associate with our products.

#### **Strategic Area 5**

Increase and share value based on mechanisms that rewards sustainable land use and high-value products.

#### **Strategic Area 6**

Enable communities to identify and adopt sustainable land use practices.



#### CAPACITY FOR TRANSITION

We understand what it will take, and have the tools to help us, transition to resilient, healthy and prosperous futures.

#### **Strategic Area 7**

Increase our social capital so that we can have well informed debate about alternative futures.

#### **Strategic Area 8**

Act as kaitiaki, being responsible for our actions within enterprises, in a catchment and beyond.

#### **Strategic Area 9**

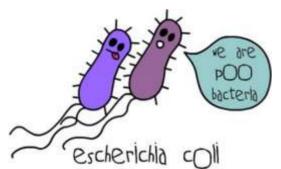
Manage pressures and remove the barriers to a transition.

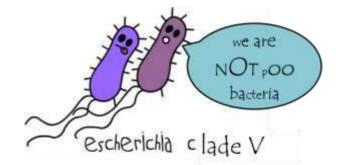


## What is the problem?











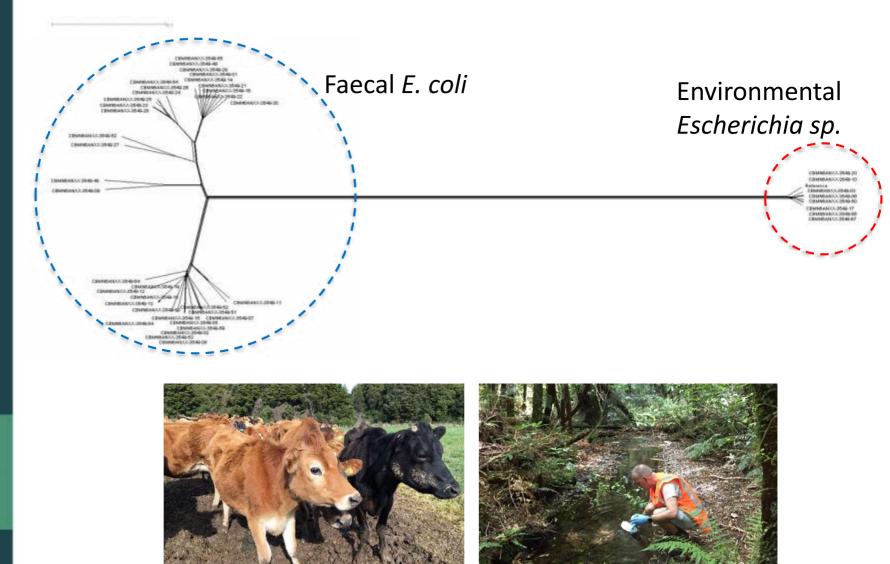
#### FUTURE LANDSCAPES



@OurLandandWater #OLW2019



## What is the solution?









# Who is using the research to make a difference?









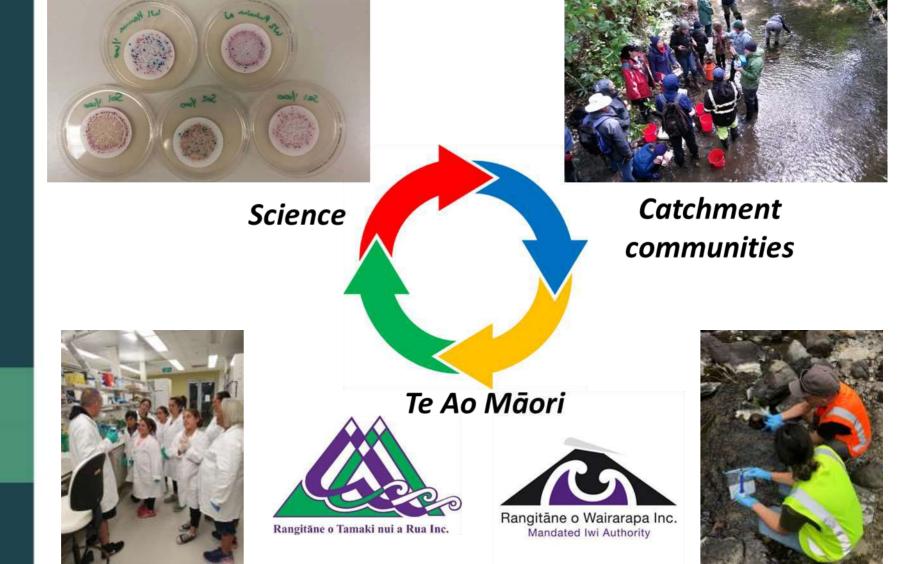
#### FUTURE LANDSCAPES



@OurLandandWater #OLW2019



# How is it building towards the Our Land and Water goal?





FUTURE LANDSCAPES



### Collaborators



Rangitane o Tamaki nui a Rua Inc.

























