

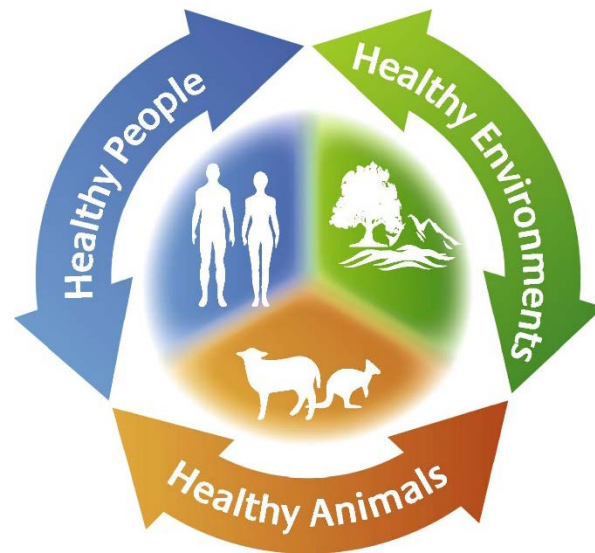


**Opportunities and Aspirations**

# One Health Aotearoa

## The Story so Far ...

- There is great opportunity in New Zealand to bring together those working in the areas of veterinary, human and environmental health

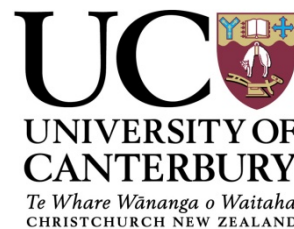


# One Health Aotearoa

## The Story so Far ...

- There is great opportunity in New Zealand to bring together those working in the areas of veterinary, human and environmental health
- The 2013/2014 Centres of Research Excellence (CoRE) exercise provided the impetus to develop the concept of a One Health alliance in New Zealand based around infectious diseases

# One Health Aotearoa



# One Health Aotearoa

A Centre for the prevention and control of infectious disease

## THEMES

Protecting  
children and  
families

Producing food  
without  
compromising  
health

Reducing the  
impact of  
seasonal  
infections and  
epidemics

Understanding  
the interface  
between  
microbes and  
non-  
communicable  
diseases

Diagnostics and host-pathogen interactions

Modelling transmission and control

Pathogen evolution, ecology and genomics

Reducing inequalities

Bringing economic benefits

Influencing policy

Staphylococci,  
*Clostridium*,  
Rheumatic  
Fever  
ESBLs

*Campylobacter*,  
*Cryptosporidium*,  
*Leptospira*, *NTS*  
*Clostridium*  
STEC...

Influenza,  
pneumococcus,  
*Legionella* ...

HPV, EBV,  
CMV...

# **One Health Aotearoa**

**A Centre for the prevention and control of infectious disease**

- The One Health approach was received positively
- The proposal scored well, but was declined after the holistic assessment

# One Health Aotearoa

## Activities Since the Unsuccessful CoRE Bid

- Increased collaborative research activities between Massey University and University of Otago
  - *Staphylococcus aureus* transmission modelling
  - *Legionella* genomics and transmission
  - Hazards associated with zoonotic enteric pathogens in emerging livestock meat pathways
  - Antimicrobial resistance
  - Foodborne infections
- Willingness for high-level engagement between the two universities based around One Health

# One Health Symposia

- 9-10 September 2014  
Massey University, Wellington
- 22-23 March 2016  
University of Otago, Wellington
  - 172 participants from ~43 different institutions
  - 36 speakers from 15 different institutions



# What is One Health Aotearoa?

- Alliance of multiple New Zealand professions, disciplines and institutions with an interest in **infectious diseases**
- Working locally, nationally, and globally
- To attain optimal health for **people**, domestic animals, wildlife, and the environment

***One Health principles***

# What is One Health Aotearoa?

- Initiated by core group of individuals and institutions, but with intention to be an alliance involving any interested party

# The One Health Triad



**Only 3-4 talks at this symposium have a major environmental focus**

# What is One Health Aotearoa?

- Key values:
  - Strong commitment to One Health principles
  - Active participation
  - Positive engagement with all stakeholders
  - Making a difference (impact)
  - Global perspective
  - Giving chances to young people
  - Collaboration based on friendship
  - Having fun

# What is One Health Aotearoa?

- **Aspirations:**

- National leadership in infectious diseases research, training and advocacy
- Global reach and leadership

- **Achieved through:**

- Connecting stakeholders
- Creating strategic partnerships and networks
- Education and training

# One Health Training



**Study Room**



*NEPAL*



*MASSTY*





# Global Health Classroom





# Building the Alliance

- Develop more formal organisational structure
- Increase opportunities for interaction and information sharing
  - Symposia
  - Web presence
  - Other opportunities
- Demonstrate cooperation through:
  - Collaborative projects
  - Interdisciplinary training and education programmes
  - Shared postgraduate student supervision
- Increase engagement with decision- and policy-makers
- Increase engagement with the community and media
- Seizing opportunities to raise profile and status
  - e.g. University of Otago Centre status



# Thanks to:

- Pippa Scott
- David Wilkinson
- Jasmine Xu
- Alice Milnes
- Linda Kerr