



World Health Organisation, 2013





Emerging Diseases



- Need to develop regional capability to prepare for and respond diseases which threaten global health and cause economic disruption
 - e.g. SARS, H5N1 influenza, H7N9 influenza
- Massey University global reputation in this field
- We have world-leading expertise in delivering distance education and on-site skill development
- World Bank called on Massey to provide biosecurity capability development in Asia



Regional Training



Regional training program in animal and human health epidemiology

- Two-phase project in South Asia, 2010-2013
- Funded by the European Commission
- Administered by the World Bank through a grant to Massey University
- Implemented in seven countries in South Asia
- Now extended to China and Mongolia
- Potential to apply more widely

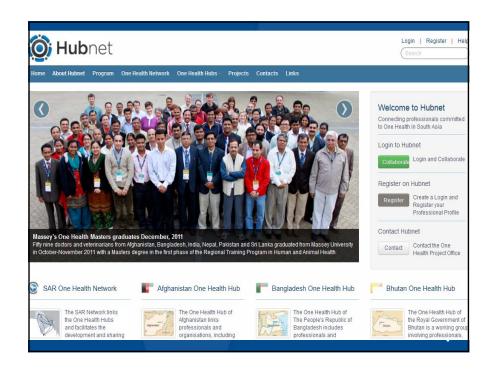


Programme



- Phase 1: Master's degree joint training 68 human and animal health professionals across South Asia to build cross-sectoral collaboration
 - Predominantly web-based learning plus short face-toface blocks in a blended-learning program
- Phase 2: Applied training 200 participants through incountry disease investigations involving
 - Collaboration between human + animal health sectors
 - International support + further advanced training supported by web-based platform, 'Hubnet'

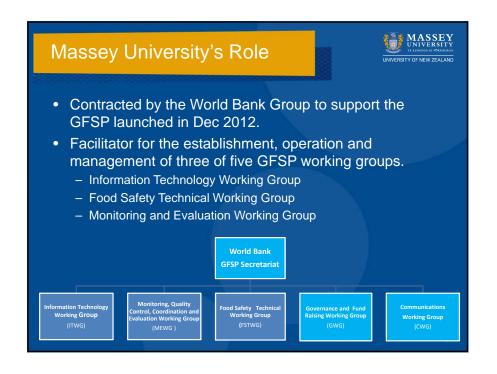




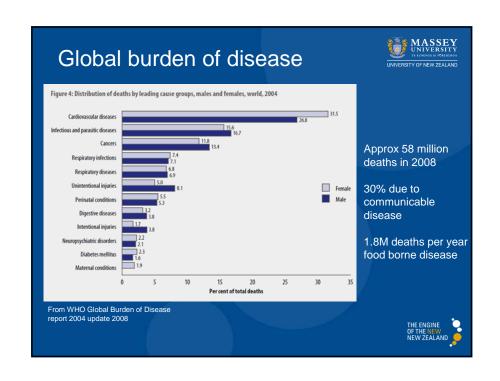


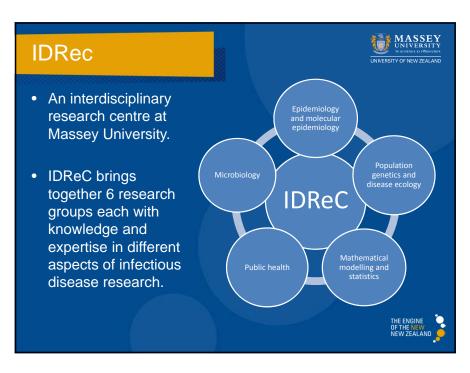












Research Focus



- Applied research into multi-host pathogens
- Fundamental research into pathogen evolution and disease emergence
- Focus on human–animal-ecosystem interfaces
- Enhance knowledge transfer via a direct pathway between researchers and policy makers
- Postgraduate training
 - Currently training 22 PhD researchers



One Health Approach



- No single discipline can meet the challenges faced by human, animal, plant and ecosystem health
- Multidisciplinary teams needed to tackle current and emerging disease problems
- IDReC works in collaboration with CRIs and other Universities multidisciplinary approach.





