

Policy and disease containment strategies in FMD: Living with uncertainty

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Universities of Liverpool and Lancaster, United Kingdom

Lost in Translation

A cross-disciplinary analysis of knowledge exchange and effectiveness in animal disease management

- Jonathan Wastling
- Sophia Latham
- Zoe Austin
- Maggie Mort
- Roger Pickup





Research Context

- Our project: collaboration between Liverpool and Lancaster Universities
- Our team: involves sociologists of health and science, human geographers, as well as veterinary, soil and water scientists
- Three year project first phase: problem framing, developing shared expectations and common language. Initial consultation with an external advisory group

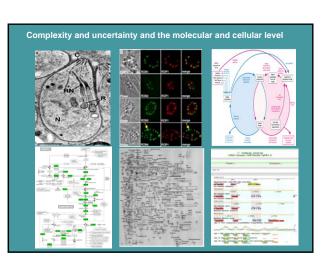
Project aims

The project addresses two main issues:

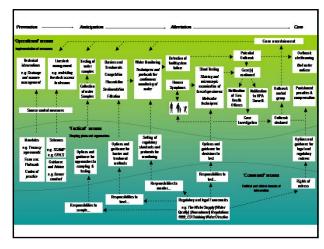
- How we can understand better the issues of complexity and uncertainty in animal disease management strategies
- Why particular technical developments have been adopted and not others in the deployment of strategies of containment

Research strategy

- Semi-structured interviews with experts at the strategic, tactical and operational levels (approx 50 interviews with stakeholders and experts)
- Disease specific workshops addressing areas of uncertainty identified from interview data
- Analysis of secondary data (existing archived material)









Science and technological uncertainties

Example focuses:

- Development and application of modelling techniques within surveillance and control of disease: FMD and AI
- Powerful tools (attractive to policy-makers)
- Appear to summarise a problem
- But can mask uncertainties and often poorly understood by non-modellers

Primary project focus is on making sense of uncertainties at the **operational** and **tactical** end of containment, and in particular, contexts in which the application of **science and technology** is an important area of innovation...

Foot and Mouth

 What do S.o.Cs involve people doing and why do they do these things?

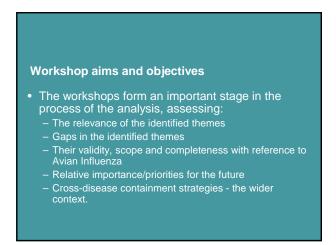
Cryptosporidiosis

Avian Influenza

- Which aspects of S.o.Cs are perceived to work? And which aren't?
- What matters and what might change?
- What steps should be taken to realise more effective forms of disease governance?

Disease focus

- Cross-disease analysis with a focus on current and emerging practice in three disease areas:
 - Avian Influenza
 - Foot and Mouth Disease
 - Cryptosporidiosis

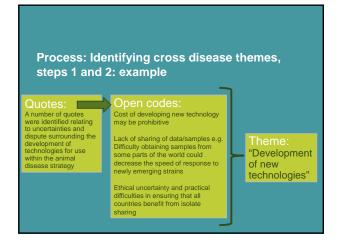




Activity 1

- Examination of themes of uncertainty identified by experts
- · Additional themes and comments

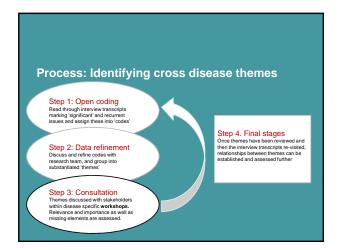














Discussion: Identifying cross disease themes

- Are all of the themes relevant?
- Have we missed any?

Session 1. Critical review of content and importance of themes: Avian Influenza