Controlling Avian Flu and Protecting People’s Livelihoods

DFID-Funded Collaborative HPAI Research Project for Asia and Africa

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Overview

- Background & Motivation
- Project Goal & Objectives
- International Partners & Focal Points
- Main Issues (Research & Non-Research)
- Principles
H5N1 Threats

- Poor peoples’ livelihoods
  - disease itself
  - control measures
- Poultry industry
  - in affected countries
  - in non-affected countries
- Global public health
  - rural populations
  - urban populations
Motivation

• Approach taken to control HPAI:
  – top-down / command & control
  – almost exclusively technical orientation
  – short on institutional analysis
  – no use of market-based instruments
  – anti-smallholder bias

• ‘More of the same’
  – laboratory networks
  – disease ‘intelligence & control centres’
Knowledge Gaps addressed

- Disease ecology & epidemiology
- Differential impacts of disease and disease control
- Cost-effectiveness / cost-benefit of control
- Institutional aspects of HPAI control
- Externalities / ‘global public goods’ aspects of HPAI control
Project Goal

Safe smallholder poultry enterprises and poultry markets in regions affected or at risk of HPAI while minimizing the potential spread of HPAI to humans.
Project Objectives

1. Provide scientific basis for
   • cost-effective, and
   • 'socially just’
   HPAI control strategies,

2. ‘Inject’ insights into
   • national,
   • regional and global
   policy processes, and

3. Build capacity for evidence-based
   formulation of disease control policy
Regional / Country Organization

- Ethiopia, Ghana, Kenya, Nigeria, and Indonesia,
  Project Lead - Clare Narrod (IFPRI)

- The Mekong Region: Thailand, Cambodia, Vietnam, (Lao PDR)
  Project Lead – Joachim Otte (FAO)
Research Domains

- Effectiveness of control measures
- Economic impacts of control measures
- Incentives for (non-) compliance
Effectiveness of Control Measures

- Vaccination (vaccine? species? bird type? timing?.....)
- Culling (radius? timing? tracing?....)
- Surveillance (sensitivity? specificity?....)
Economic Impact of HPAI & Control

**Scale**
- Within-household
- Poultry sectors and supply chain agents
- National economy (spillover to / compensatory gains by other sectors)
- International / global

**Time Frame**
- Short-term / immediate
- Long term impacts
Incentives for Compliance

Source: Pfeiffer et al., 2005
‘Non-Research’ Domains

- Policy makers / advisors
- Research community & direct associates
- Field data collectors & data analysts

Communication
Capacity building

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Principles

- transparent; disclosure of interim findings
- collaborative & trans-disciplinary
- Iterative, with ongoing adjustments
- constructive peer review
- end-user focused
- open for others to join, avoid duplication

http://www.hpai-research.net