

Controlling Avian Flu and Protecting People's Livelihoods

# DFID-Funded Collaborative HPAI Research Project for Asia and Africa

Martin Evans

International Meeting on Pro-Poor HPAI Risk Reduction

Phuket, Thailand, 25-27 October 2010

A Collaborative Research  
Project Funded by:



Implemented by:



# Overview



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

# HPAI 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 globalpolicy **processes**, and
3. Build **capacity** for evidence-based formulation of disease control policy



# Regional / Country Organization



IFPRI®



Royal Veterinary College  
University of London

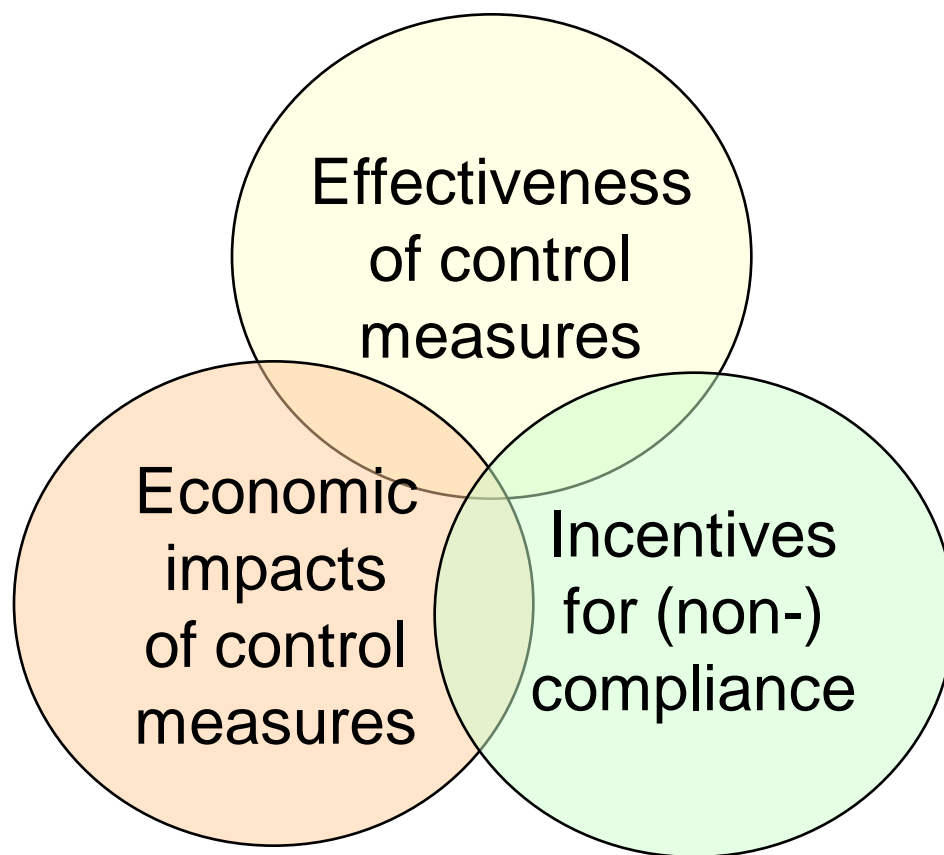


Ethiopia, Ghana, Kenya,  
Nigeria, and Indonesia,  
Project Lead - Clare Narrod (IFPRI)

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



# Research Domains



# Effectiveness of Control Measures

- Vaccination (vaccine? species? bird type? timing?.....)
- 'Bio-security' (farm? supply chain? markets? waste mgmt?..)
- Culling (radius? timing? tracing?.....)
- Surveillance (sensitivity? specificity?.....)



# Economic Impact of HPAI & Control



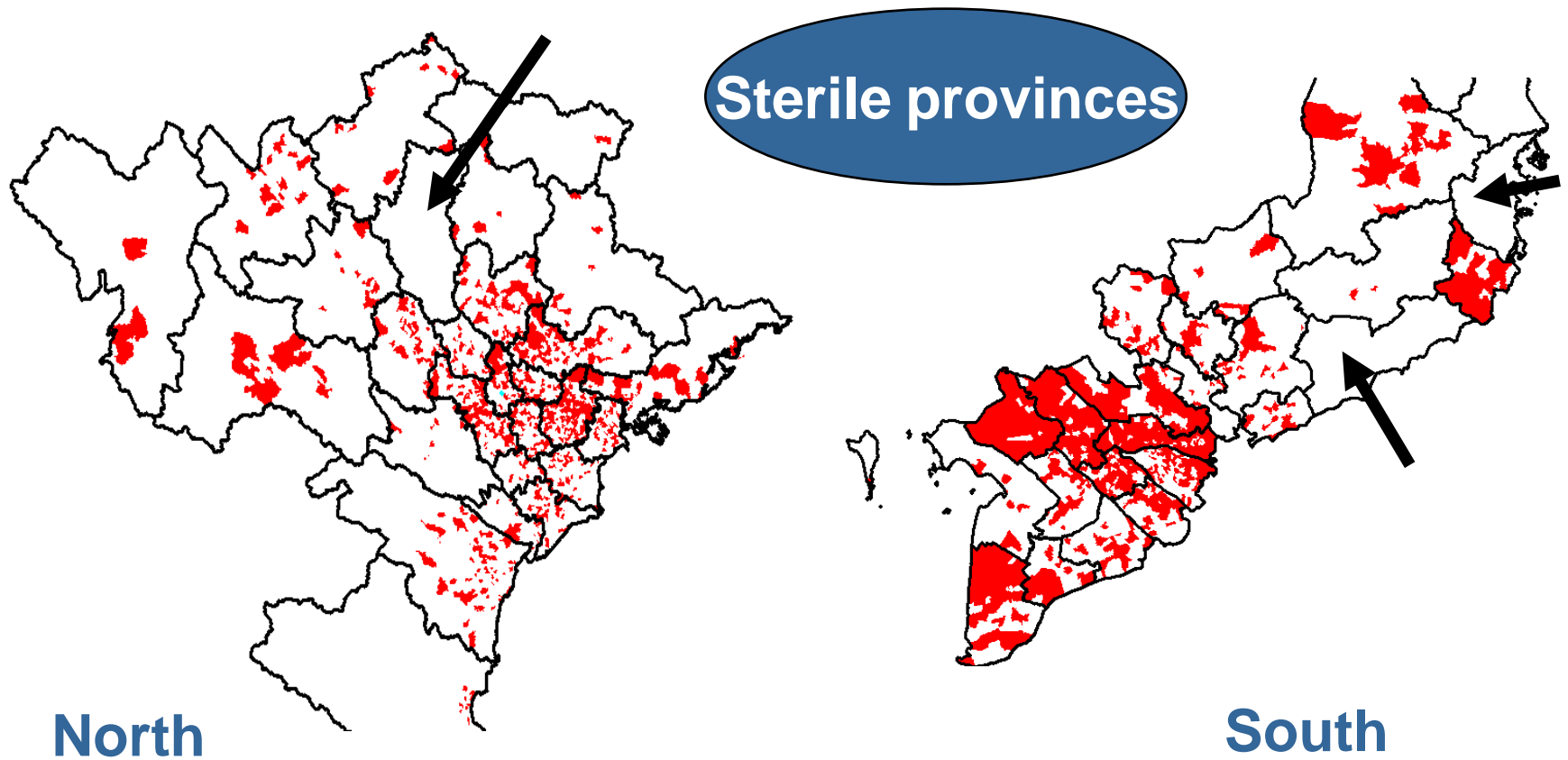
## Scale

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

## Time Frame

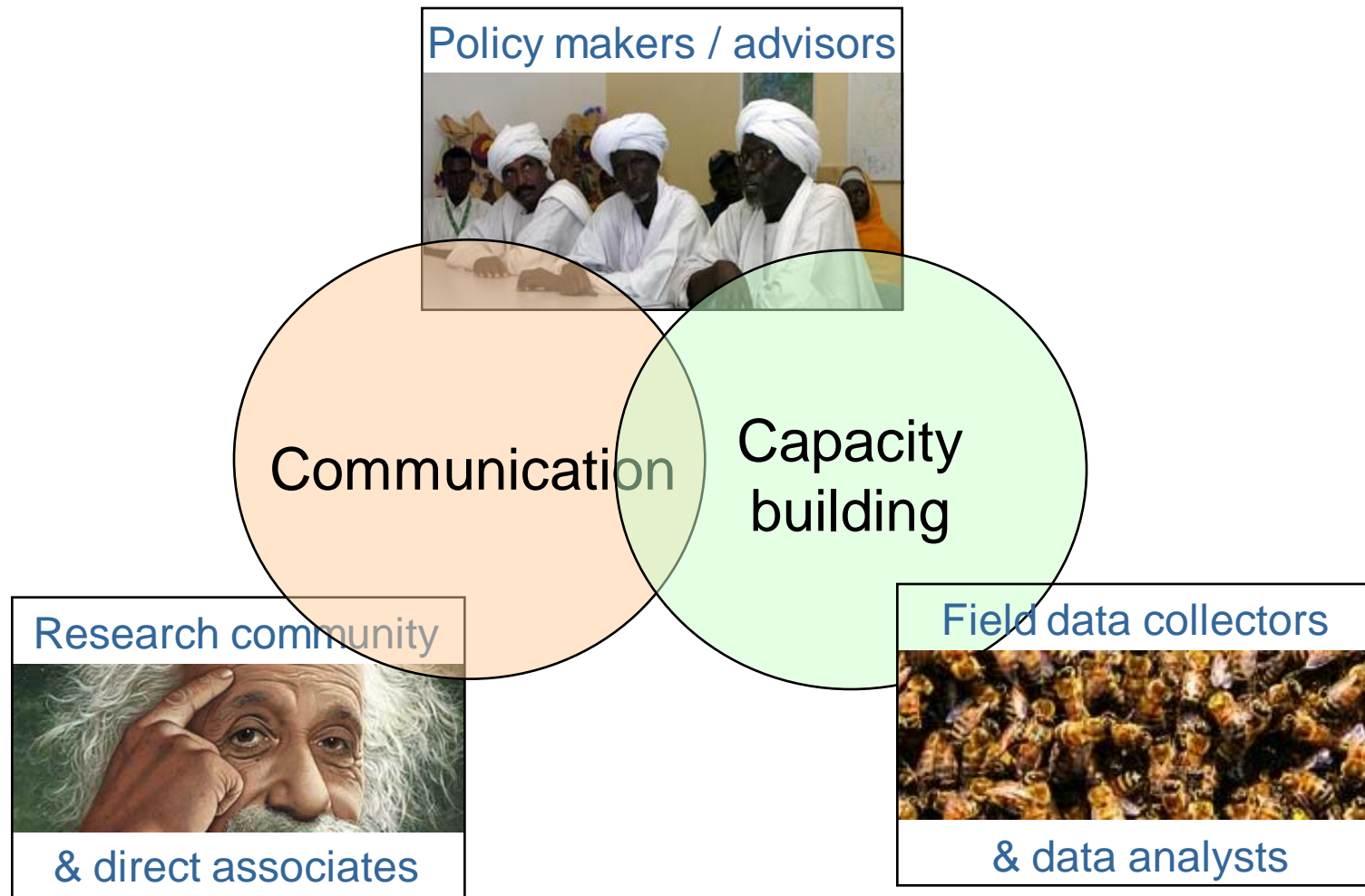
- Short-term / immediate
- Long term impacts

# Incentives for Compliance



Source: Pfeiffer *et al.*, 2005

# 'Non-Research' Domains



# 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>



<http://www.hpai-research.net>

Controlling Avian Flu and Protecting People's Livelihoods