

The One Health Poultry Hub: A Research Platform for sustainable poultry production and distribution with emphasis on reducing disease risks for humans and animals



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Take home message

The impact-oriented evidence generated by the research and activities by One Health Poultry Hub will contribute to inclusive policy development as well as the promotion of enhanced management practices to meet the rising demand for poultry meat and eggs in developing countries while minimizing risk to public health

Introduction

- 5-year research and impact-driven programme funded by UK Research and Innovation
- **Knowledge power**
 - ➔ Powerful team
- **Multi-country**
 - ➔ ~30 institutions across Asia, Australia, Europe and the UK
- **Research topic:** Safe poultry intensification -Immense potential (nutrition/livelihood)
- Takes a 'One Health' approach to explore how rapid expansion of poultry production creates conditions for zoonotic disease emergence and spill-over
 - ➔ Natural science
 - ➔ Social science

- Implementing countries
- Bangladesh
 - India
 - Sri Lanka
 - Viet Nam

Adapting a new region specific model for complex poultry production system- through generating information by Hub project

Objectives

One Health approach

- Assess the evolution and transmission of pathogen
- Identify factors affecting disease transmission

One Health Solution

- Tackling the issues and their risk to understand the development of interventions tailored to local networks

Take One Health forward

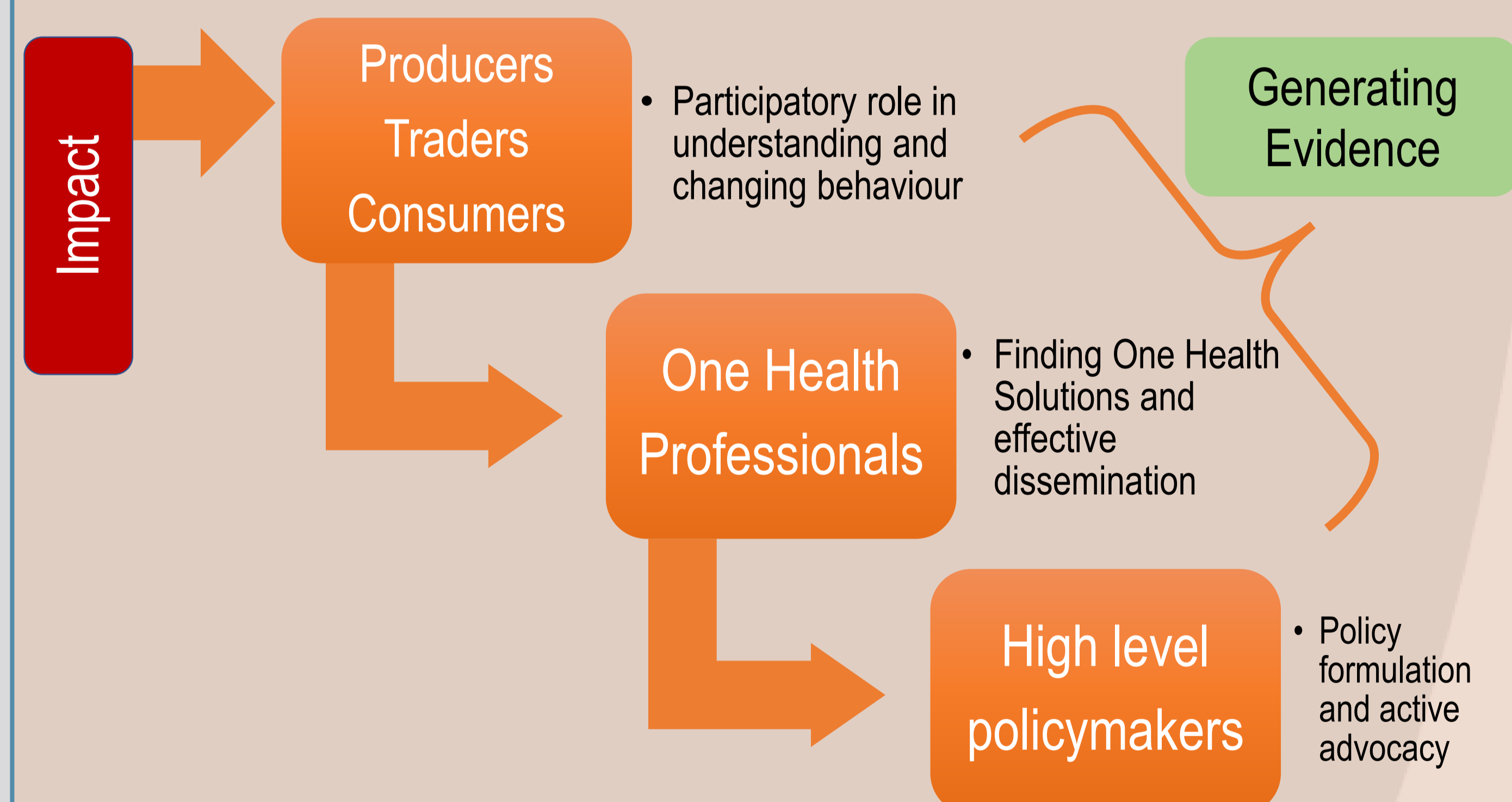
- Collaboration with private sector, industry, regulators, development organizations and others
- Working along side other research projects and organizations

Methods



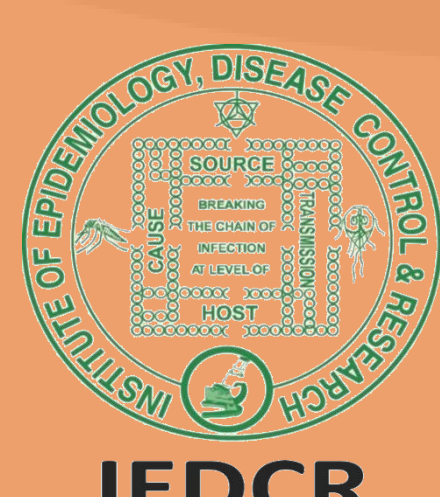
- Configuration of chicken production and distribution network
- Transmission and evolutionary dynamics of zoonotic health
- Maximizing impact
- Flexible funding

Achieving impact: Main actors



Outcomes

- ❖ National poultry value chain analysis including poultry trade network
- ❖ Increased knowledge on stakeholders, regulation and key drivers of poultry intensification
- ❖ Models of pathogen spread in different poultry intensification sites
- ❖ Increased knowledge on stakeholders, regulation and key drivers of poultry intensification
- ❖ Better-informed policymakers, private stakeholders and consumers related to poultry diseases and public health risks
- ❖ Appropriate policy and intervention options for inclusive intensification and (re) design of the poultry value chains
- ❖ Accelerated innovation process in the poultry sector to reduce poultry-related health risks
- ❖ Appropriate policy and intervention options for inclusive intensification and (re) design of the poultry value chains



UK Research and Innovation

