



Resilient food supply chains: exposing and addressing gaps

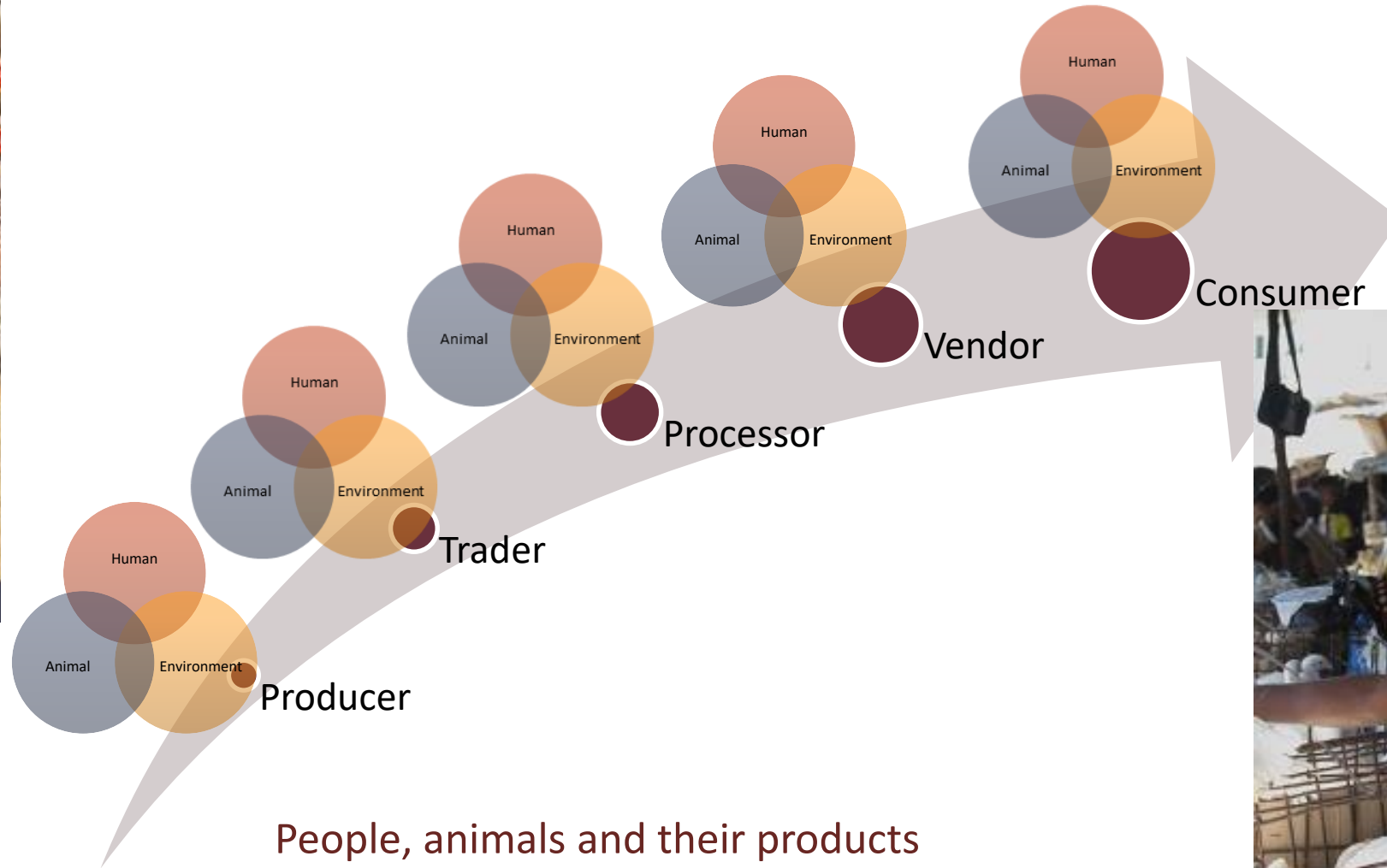
Better lives through livestock

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Director General
International Livestock Research Institute (ILRI)*

CFS open virtual event
*Resilient food supply chains and worker's health during
COVID-19*
21 July 2020



Inter-connected food supply chains



People, animals and their products interact in multiple ways with diverse environments

The inter-connectedness of
human, animal and
environment health:

One Health

One Health is a prerequisite for
resilient, safe food systems

Gaps exposed!

Lack of tailored solutions for
very different contexts

Global inter-connectedness
matters: local actions to ensure
safe, resilient food systems
impact globally

One Health is cost-effective to reduce the likelihood of future pandemics

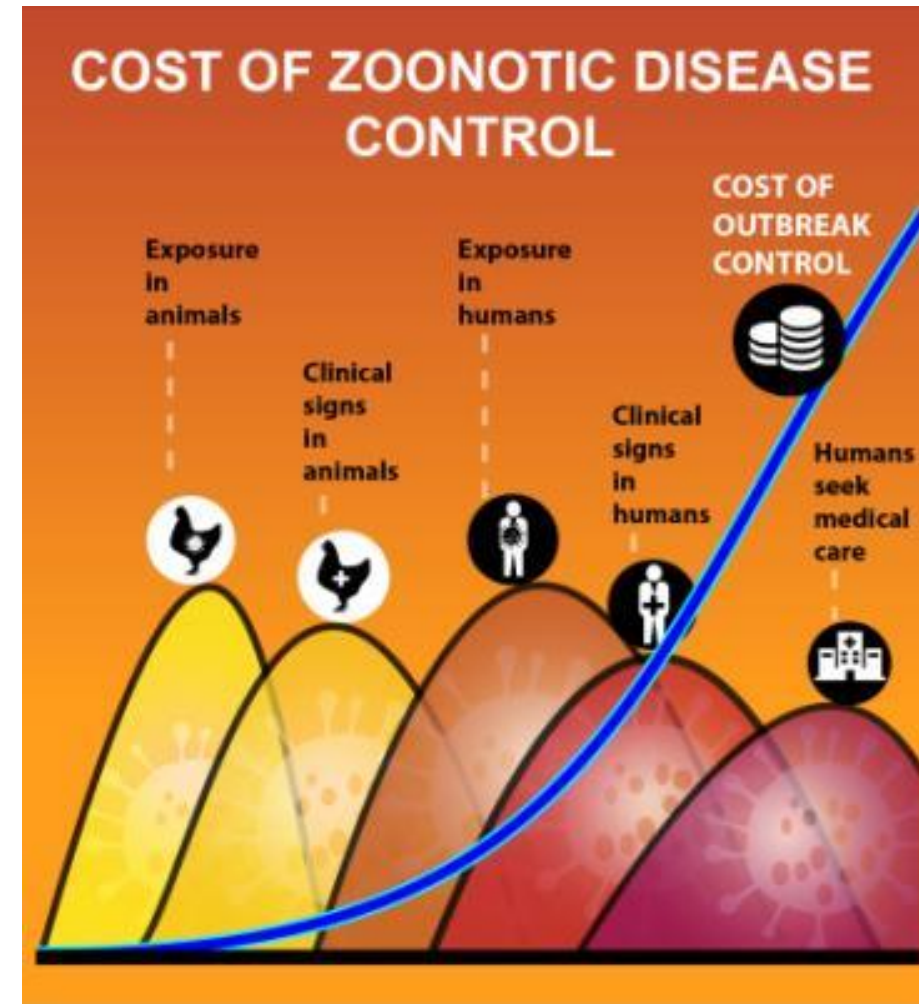
Better animal disease surveillance, and a One Health approach could save billions by addressing disease outbreaks in animals rather than people as timely 'sentinels'

An (under) estimate from last decade:

A global investment of US\$25 billion over 10 years in One Health could generate benefits worth at least US\$125 billion

COVID-19:

UN estimates over \$8.5 trillion loss to global economy over two years



One Health and fresh food markets for food, nutrition and resilience



Food

Local consumers on daily wage

Fresh food daily

Producers daily income



Nutrition

Fresh not processed
Small daily quantities of highly nutritious foods
(no fridge!)



Resilience

Varied and nutritious diet
Regular food even on low income

Well nourished children more resilient and healthier, less likely to be stunted

One Health

Invest smartly

Detect early

Collaborate unprecedentedly

Resilient, safe food systems

Producer, trader, processor, vendor, consumer

Human, animal, environment health at every point on the food chain

Gaps addressed

Adapted, appropriate solutions

Knowledge, awareness

Risk based

Incentive and behavior structures


Global inter-connectedness

Connect every level from remote villages, national ministries to global institutions

Connect across disciplines



ILRI

The International Livestock Research Institute (ILRI) is a non-profit institution helping people in low- and middle-income countries to improve their lives, livelihoods and lands through the animals that remain the backbone of small-scale agriculture and enterprise across the developing world. ILRI belongs to CGIAR, a global research-for-development partnership working for a food-secure future. ILRI's funders, through the [CGIAR Trust Fund](#), and its many partners make ILRI's work possible and its mission a reality. Australian animal scientist and Nobel Laureate Peter Doherty serves as ILRI's patron. You are free to use and share this material under the Creative Commons Attribution 4.0 International Licence .

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