

Private Sector approach to One Health





The challenge

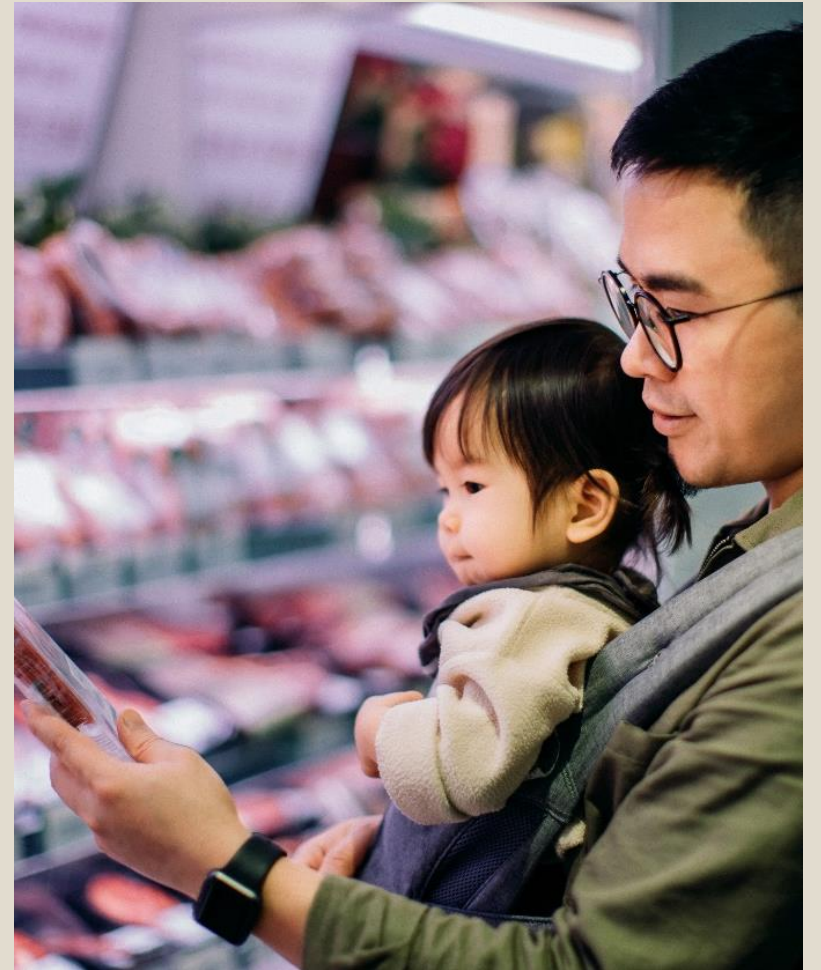
Increasing antimicrobial resistance (AMR), zoonosis, and transboundary animal diseases (TADs) in animals threaten:

Human health. AMR-associated deaths are projected to soar from a current rate of 700,000 to over 10 million annually by 2050. More than 70% of emerging infectious diseases are zoonotic. Animal agriculture has a role to play in reducing these risks.

Livestock livelihoods. Globally, it supports the livelihoods of almost 1.3 billion people and contributes to 34 percent of protein that brings dietary diversity to 7.8 billion people.

Cargill's Purpose

To be the leader in
nourishing the world in a
safe, responsible, and
sustainable way



'Safe, Responsible and Sustainable'

- Consumers rely on private sector to provide them safe affordable food
- AMU fits into sustainability goals for long term success of farmers and reducing risk to human health
- Zoonotic not only affect human health but can have devastating effects on animal production



“Best Practice Guidance in Poultry Production”

– Example from International Poultry Council

- **Stockmanship and Training**
- **Biosecurity: External environment**
- **Biosecurity: Internal environment**
- **Bird Environment**
- **Hygiene: Houses**
- **Hygiene: Hatcheries**
- **Flock Health and Welfare Plans**
- **Nutrition**
- **Antibiotic Medication - Stewardship Principles**
- **Antibiotic Growth Promotion - Restricted**
- **Data Collection**

- **Focused on type of system and business model**
- **Fit to legal framework of countries**

The farm is where all theory goes into practice and who better to be a part of the solution than the men and women daily caring for animals

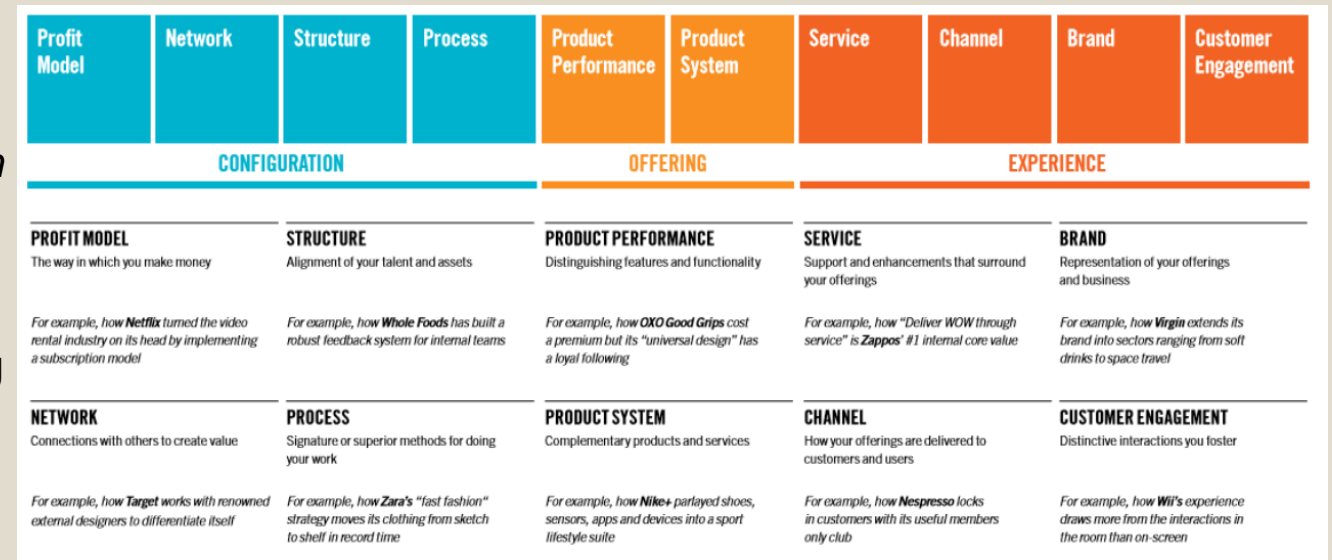
Example: Innovation Within TRANSFORM

Innovative Approach

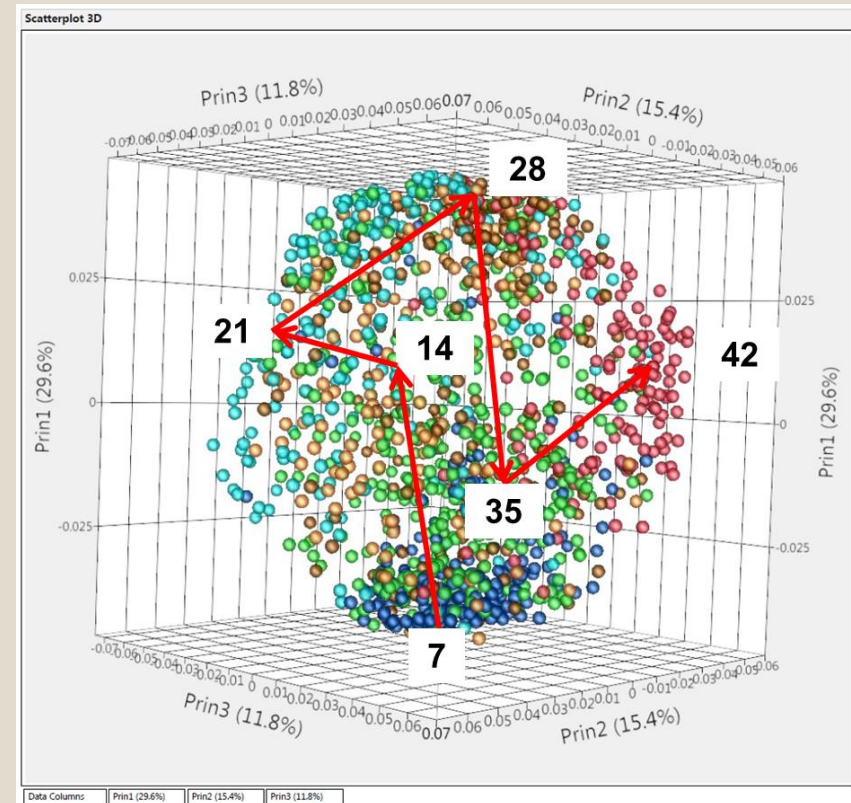
- Design is market-based from the outset
- Encouraged practices support human health *and* farmer livelihoods
- Through supply chain, all size farms, multiple species

Innovative tool examples: *The Ten Types of Innovation (Doblin)*

- ‘Small pack’ makes health-supporting technology available to smallholder farmers - *Channel*
- Multisector biosecurity and farm management training methodology with different implementation avenues - *Service*
- Ongoing R&D for nutrition and health (e.g. enhanced animal vaccine efficacy) – *Product Performance*



Continual Investments in Products and Capabilities to help farmers manage the change



Technologies that Improve Animal Health AND help farmers thrive

- Product Innovation: Probiotic, Phytogenic, Prebiotic, Postbiotic, immune enhancers, etc...
- Formulation techniques to improve health – fermentable protein, nutrient requirement during disease outbreak
- On-farm data collection tools – Entelligen; Farm Shield, EAS tools, Panorama, MAX System
- Galleon – chicken gut microbiome tool



Summary

- People closer to the animal and closer to decision making are critical for future health improvements
- Private Sector plays a critical role when it comes to Animal Health and how it impacts long term farmer livelihoods
- Need to think creatively around innovations that can have long term sustainable impacts



Thank you

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