



FARM FOUNDATION® FORUM

Challenges, Opportunities, and Policy Priorities in U.S. Food Animal Production

JULY 21, 2026



Today's webinar is made possible by a grant from Farm Credit

#FarmFoundationForum





TIM BRENNAN

Vice President, Programs and Strategic Impact
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About Us

Farm Foundation is an **independent, nonpartisan** nonprofit that brings together leaders from every part of the food and agriculture system, to tackle the issues no one organization can solve alone.



Everything we do is designed to move ideas beyond conversation, through leadership development, practical learning, collaboration, and real-world application.



Our Mission And Vision Guide Our Work

Mission:

To build trust and understanding at the intersections of agriculture and society.



Vision:

To build a future for farmers, our communities and our world.



Farm Foundation Campus

It's a working place where agriculture can be experienced, not just discussed.



email:connect@farmfoundation.org

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Important Notes

- Submit questions by clicking on the **Q&A Button** at the bottom of your screen.
- **Please include your name and company** so questions may be contextually understood.
- Due to time limits, we may not be able to ask all questions submitted.
- This Forum is being recorded and will be posted on our website at **farmfoundation.org** as well as the **Farm Foundation YouTube** channel.
- Please take the **short survey** at the conclusion of the Forum.



FARM FOUNDATION® FORUM

Opportunities For US Agriculture In The Bio-based Materials And Energy Economy

MAY 7, 2026



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Principal
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Building Resilient Food Systems for the Future

Challenges, Opportunities and Policy Priorities
in U.S. Food Animal Production

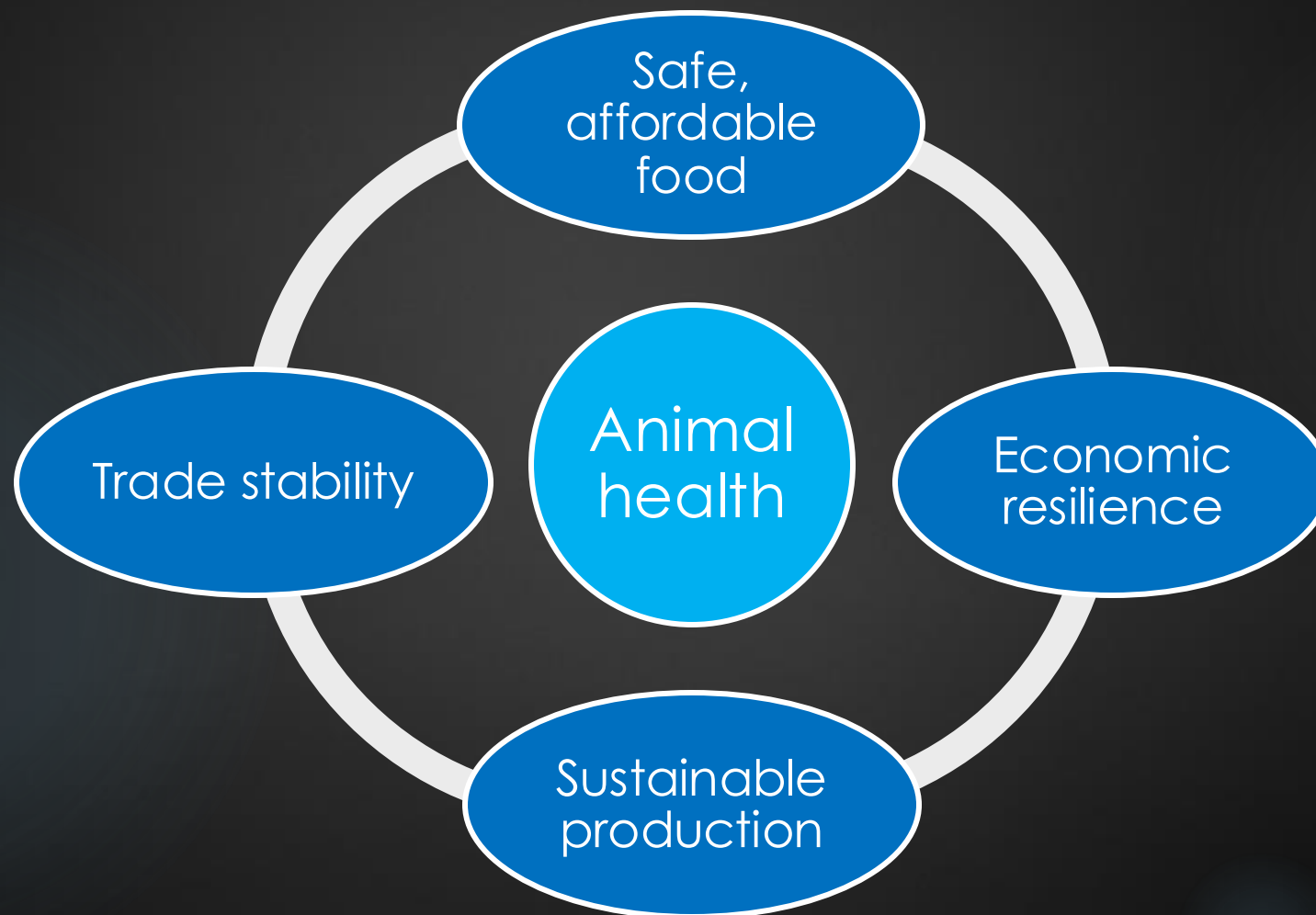
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FARM FOUNDATION FORUM | 21 JULY 2026

Animal health: Value beyond the farm





Our definition of risk has changed

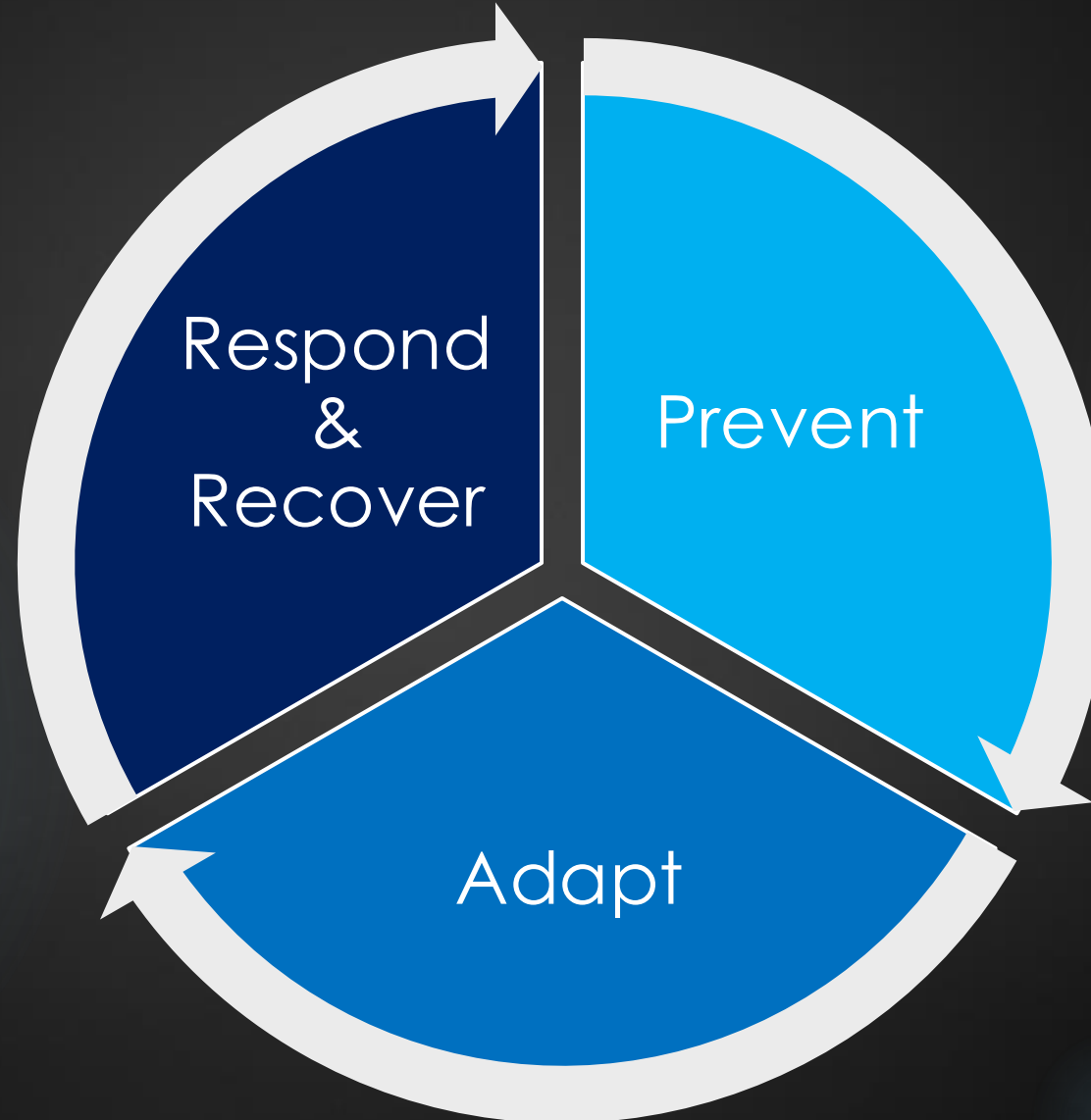
Animal disease

- ▶ Highly Pathogenic Avian Influenza
- ▶ New World Screwworm
- ▶ African Swine Fever
- ▶ Foot-and-mouth disease
- ▶ Emerging pathogens

Operational Disruptions

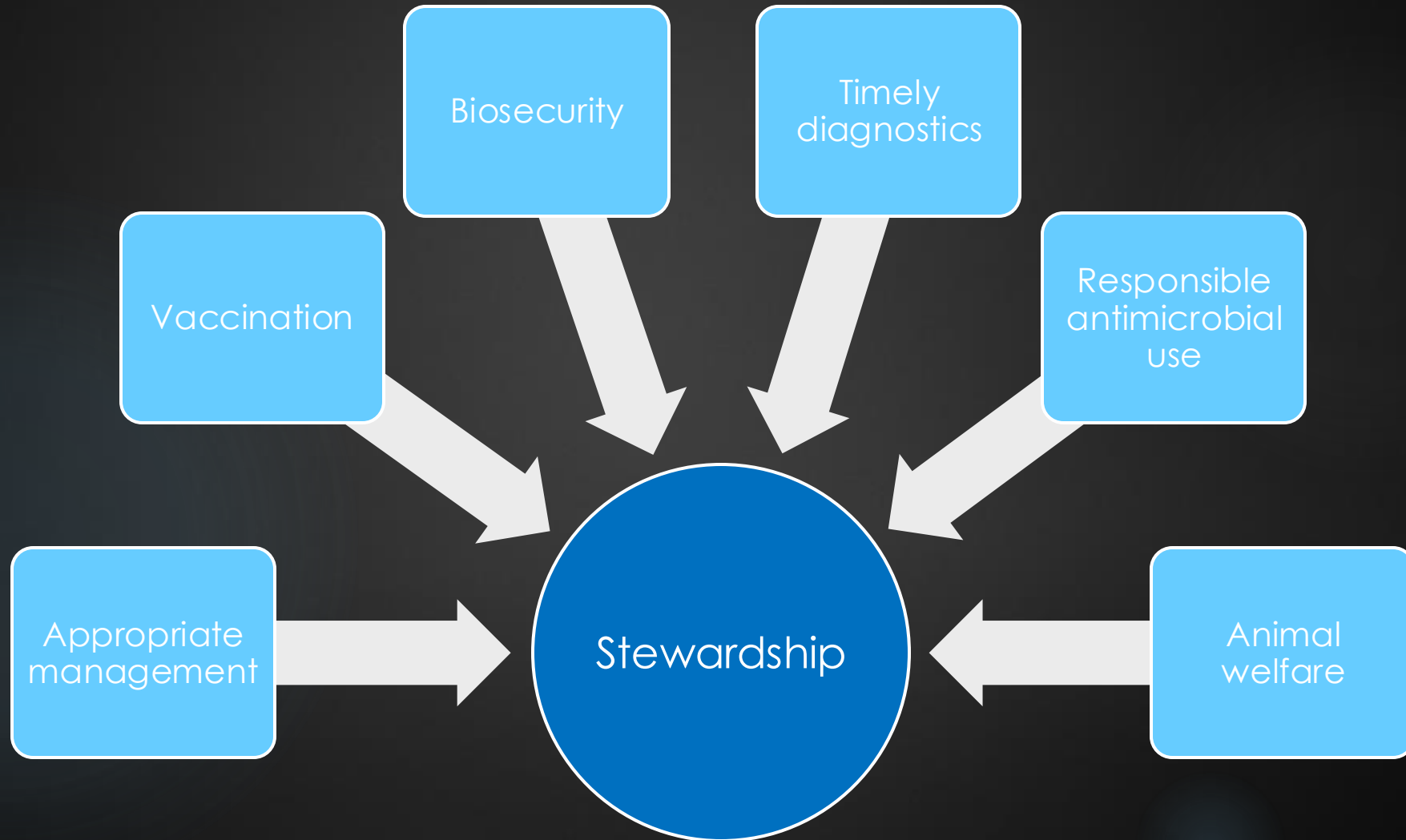
- ▶ COVID-19
- ▶ Workforce shortages
- ▶ Transportation interruptions
- ▶ Supply chain disruptions

Resilience: Three core capabilities

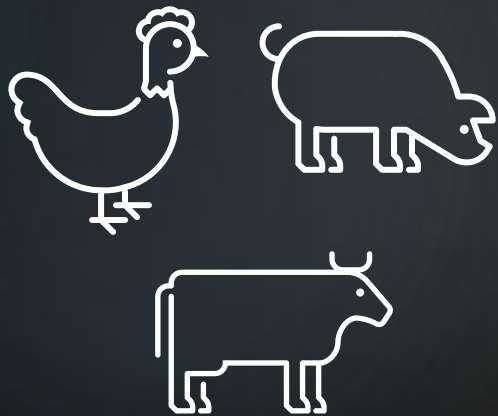




Case Study: Stewardship

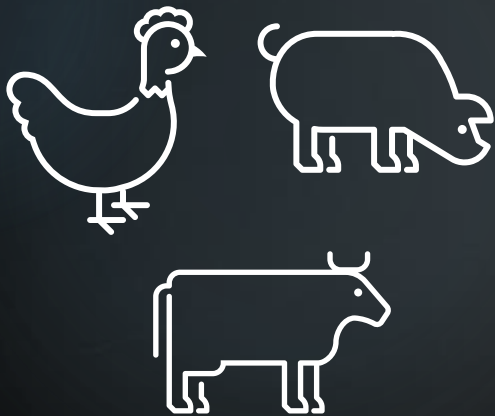


Case study: Preharvest food safety

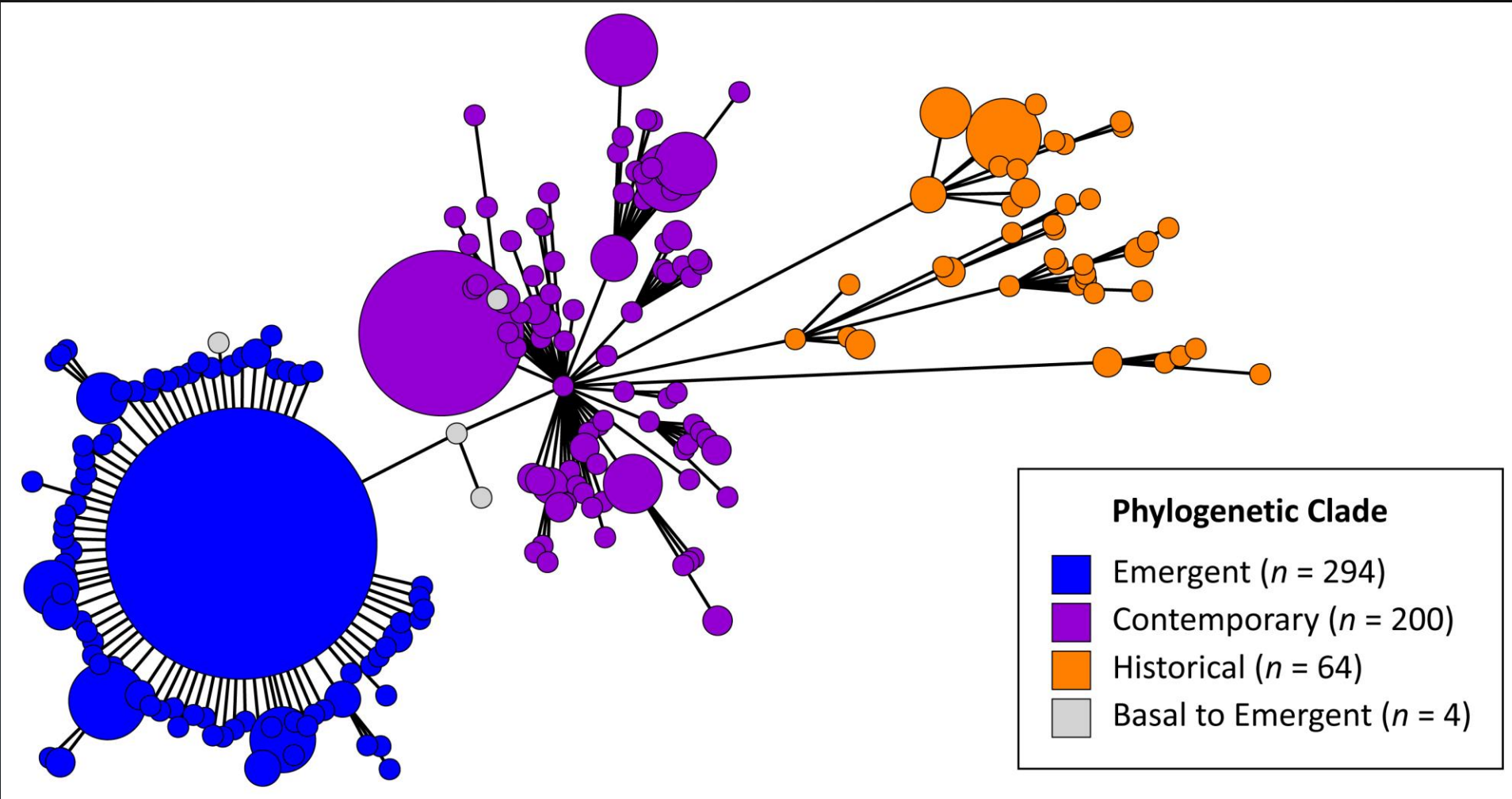




Case study: Preharvest food safety



Preharvest food safety case study: Virulence of *S. Reading*



Preharvest food safety case study: Human cases of *S. Reading*



	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
CDC cases	46	53	33	42	58	55	104	139	221	ND	ND
MNDH cases	3	3	1	1	3	2	4	7	7	13	21
Contemporary Subclade (%)	ND	ND	ND	ND	0%	0%	82%	88%	59%	44%	23%
Emergent subclade (%)	ND	ND	ND	ND	0%	0%	0%	0%	2%	29%	63%

Case study: Business continuity



Traditional thinking

- ▶ Reactive
- ▶ Actions based on previous experience
- ▶ Respond to the threat after disruption has already begun
- ▶ Delayed actions result in unanticipated supply chain impacts

Resilient thinking

- ▶ Proactive
- ▶ Actions based on risk assessment and modeling data
- ▶ Prepare before disruptions occurs
- ▶ Minimize direct and downstream impacts



Implementing the Movement of Poultry Industry Products During Disease Outbreaks

SECURE POULTRY SUPPLY

- Moving Poultry and Products ▾
- Outreach ▾
- Secure Poultry Supply Information ▾
- Team ▾

[Moving Poultry and Products](#) > Moving Poultry and Products

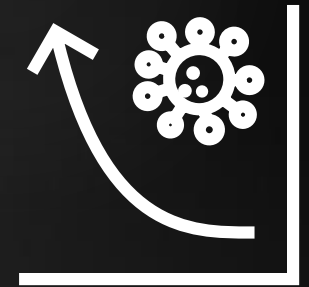


Secure Poultry Supply Plan (SPS) is a translation of the science in the Secure Egg (SES), Turkey (STS), Broiler (SBS), and Upland Game Bird (SUGS) plans into a harmonized permitting approach that can be used in the event of a disease outbreak such as highly pathogenic avian influenza (HPAI). When a product is moved using the SPS, the permit guidance for that product, which comes from the SES, STS, SBS or SUGS, spells out the criteria that must be met to meet the movement’s risk rating.



Innovation in animal health

Artificial intelligence



Detecting disease



Predicting risk



Preventing disease



Creating value

Table stakes

- ▶ Healthy animals
- ▶ Stewardship
- ▶ Food safety
- ▶ Disease prevention
- ▶ Emergency preparedness

Market value

- ▶ Sustainability
- ▶ Consumer trust
- ▶ Operational resilience
- ▶ Supply continuity
- ▶ Export confidence



Policy priorities

- ▶ Predict rather than react
- ▶ Accelerate innovation adoption
- ▶ Build preparedness as infrastructure
- ▶ Incentivize prevention and resilience

Current state



Precision management

Nutrition

Disease prevention

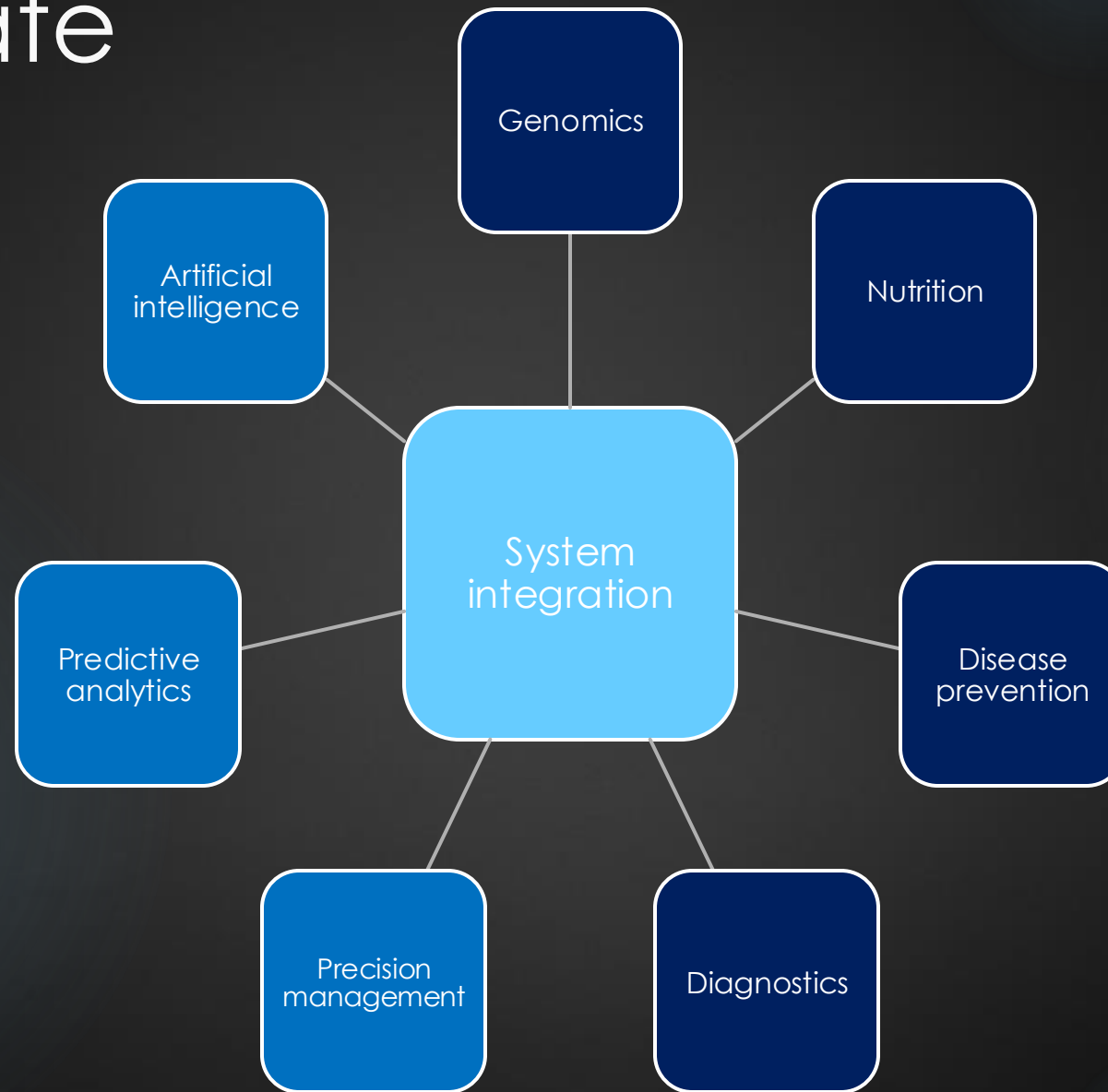
Diagnostics

Genomics

Predictive analytics

Artificial intelligence

Future state



In closing



- ▶ We are coming closer in our ability to predict the next animal health disruption
- ▶ Are we building a food system capable of adapting to whatever comes next?
- ▶ That's the opportunity before us, and that's where innovation and policy must work together.



Thank you!

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