

**BOLD ACTIONS
FOR FOOD
AS A
FORCE
FOR GOOD**



Animals and the Future of Food Systems: A Look at Trade-Offs in Nutrition, Sustainability and Rural Development

Nick Gardner, Vice President, Codex and International Regulatory Affairs

Presentation Outline

- Food System Partnerships
- Concept and Planning of Seminars
- Key Takeaways: Linkages of Animal Agriculture to Five Food System Action Tracts
- US Dairy Contributions and Perspectives
- Concluding Thoughts

USDEC Food Systems Partners



GLOBAL DAIRY PLATFORM

Goal: work with likeminded organizations to support development and implementation of science-based, practical policies that support the responsible production and consumption of dairy products around the world



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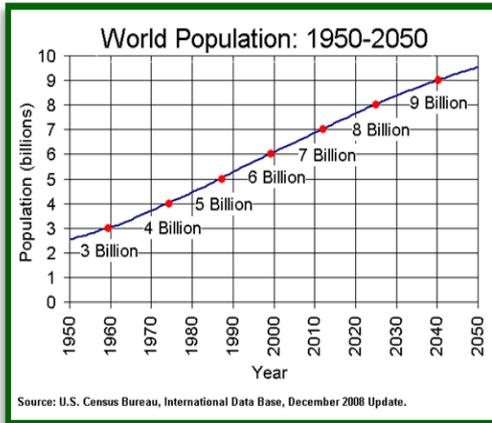
Greatest Challenge of Our Generation: Nourishing a Growing Global Population with Limited Natural Resources



Food production will need to increase by 70% to feed to world by 2050



Global middle class will triple by 2030



70% of the world population will live in cities by 2050



70% of suitable agricultural land is already in use



52% of world population could have severe water scarcity by 2050

Livestock and animal sourced foods (ASF) offer **critical** solutions



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Concepts to Events: Engaging the Dialogue



Dairy has long supported a systemwide approach to the way we produce, trade and consume our food w/ GDP at the forefront



Some groups remain focused on reducing consumption of animal sourced foods to move to plant-based diets



Create opportunities to consider livestock's essential role in food systems and progress towards responsible production



The Western Hemisphere has a strong connection to livestock and animal protein consumption at the core of its food system

Two Events w/ Common Goals

- **Reflect** on the role of livestock in the future of sustainable food systems
- **Present** science and progress towards more sustainable production and consumption

WEBINAR

Dairy's Role in a Responsible and Sustainable Food System

Aug. 26, 2020

9:00 a.m.
(Costa Rica Time)



Webinar

The Importance of Livestock Production and Animal Protein: the Western Hemisphere Perspective.

October 20-21

9:00 a.m.
(Costa Rica Time)

Live streaming on social media.



- Twenty-five global experts; written proceedings forthcoming
- Programing presented in three languages and available online
- More than 1,000 participants



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Key Takeaways: Livestock Production/Animal Protein Benefits for All Five Food System Action Tracts

Ensure Access to Safe and Nutritious Food for All



Nutritionally essential

Nourishing children and vulnerable populations

Not all protein created equal

Diet quality: a key factor for controlling NCDs

International trade = access

Consumer trends suggest increase in demand

Shift to Sustainable Consumption Patterns



Recognize that livestock are recyclers and manage their waste

Reduce food waste

Put marginal land into productive use

Responsible stewardship of the land

Unintended consequences of plant-versus animal-sourced foods

Replacement of essential and under-consumed nutrients



Boost Nature-Positive Production at Scale



Committed to producing nutritious foods in environmentally responsible ways

Misunderstandings about livestock and GHG emissions

Metrics and assessments must be fair, accurate and science-based

Technology and innovation

Scalable sustainability-good for business

Consideration of nutritional and socioeconomic trade-offs needed



Advance equitable livelihoods and value distribution



Billions of people and the communities in which they live depend on livestock

Livestock production provides economic opportunity for rural woman

International trade = economic opportunity

Livestock ownership is a pathway to entrepreneurship

Economic opportunity is protective of the environment

Rural communities benefit culturally, socially and economically

Build Resilience to Vulnerabilities, Shocks and Stress

Consistent sources of calories and income:
self-reliance is resilience

Diversification and responsible land
management

Technologies increase shelf life/portability
making nutrients more accessible

Advancements in science, technology and
research mean healthier animals and tools

Pandemic illustrated the importance of
continued availability of animal sourced
food





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US Dairy Contributions and Perspectives



US Dairy: Sustainability Commitments

VISION

U.S. Dairy as an Environmental Solution

GOALS

By 2050, U.S. dairy collectively commits to:

**BECOME CARBON
NEUTRAL OR BETTER**

**OPTIMIZE WATER USE WHILE
MAXIMIZING RECYCLING**

**IMPROVE WATER QUALITY
BY OPTIMIZING UTILIZATION OF
MANURE AND NUTRIENTS**

OVERARCHING STRATEGIES

FOR FIELD AND FARM

Net Zero Initiative

A collaboration of dairy organizations with the aim to knock down barriers and create incentives for farmers that will lead to economic viability and positive environmental impact, in the areas of feed production, cow care, energy efficiency and manure management.

FOR PROCESSORS

Processor Working Group

Led by the Innovation Center, a working group of more than 50 participants representing over 30 processing organizations convenes regularly and engages in facility-focused workstreams for waste, water, packaging, and GHG emissions to drive action and demonstrate progress towards the goals.





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US Dairy: Contributions to Food Systems

Lead with Science



Showcase the essential role of dairy across all food systems domains and at every life stage

Build and Connect



Establish global, multi-sectoral partnerships with new groups to spearhead initiatives based on common ground

Inform and Engage



Participate in high-level thought leadership opportunities

Convene and Catalyze



Spotlight global issues of importance among diverse audiences through virtual convenings and efforts



Concluding Thoughts

Livestock is and will remain an important part of the food system

Livestock producers are making progress producing foods more sustainably and responsibly, although work remains

Food systems must work for everyone and high-quality diets must be available and affordable for all people

Removing livestock from the system will significantly limit economic opportunities and development potential for rural communities

Livestock producers welcome advancements that improve our world—we must embrace technology, innovation and trade

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Thank you!

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