Introducing The Institute for Sustainable Food Systems

James L. Anderson
Director, ISFS
Professor, Food and Resource Economics

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Food –
The indispensable cornerstone of human well-being

sustains life, promotes health, and builds functional societies

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Feeding 9 billion by 2050

What kind of food?
Who will have access?
Who gets to eat it?
What about nutrition? Safety?
Obesity? Disease?
Waste? Efficiency?
Global trade?
How will it impact the environment? Climate change?

THE FOOD STORY IS VERY BIG EVEN IF POPULATION GROWTH STOPPED

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The Global Food System

A dynamic and increasingly complex web of:

- Technology - production, processing, communication, distribution
- International trade, markets, policy
- Public and private institutions
- Diverse cultures and values
- Environmental and bio-physical interactions

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Sustainable Food Systems

Economy-Environment-Community

- Safe and nutritious food is produced, processed and distributed fairly and efficiently
- Firms are profitable
- People are healthy
- Natural resources and the environment are conserved
- Communities are resilient to economic and environmental changes

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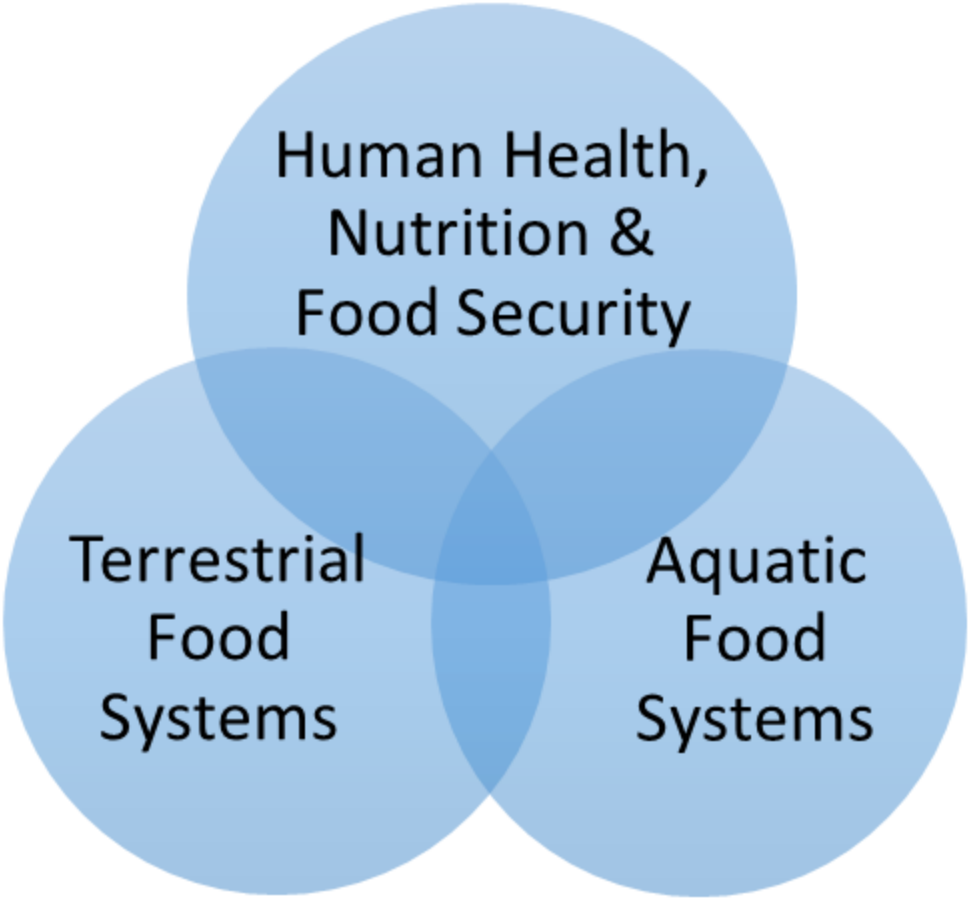
Core Elements



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The Institute for Sustainable Food Systems

Break through the Frontier

Develop new models and metrics for better understanding of the global food system

Inform public and private decision makers

Train the next generation of leaders

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Core ISFS Faculty







James L. Anderson, Food and Resource Economics:
International trade, fisheries/aquaculture economics

Frank Asche, School of Forest Resources and Conservation:
natural resource economics, price analysis, industrial structure, energy, aquaculture

Karen Garrett, Plant Pathology:
impact network analysis, plant disease ecology, ecological genomics

Arie Havelaar, Animal Science & Emerging Pathogens Institute:
risk assessment of infectious diseases and food safety

Gerrit Hoogenboom, Agriculture & Biological Engineering:
crop simulation and decision support

Cheryl Palm, Agricultural & Biological Engineering:
tropical land use degradation and rehabilitation

Pedro Sanchez, Soil & Water Sciences:
food security and tropical soils

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