

THE STATE OF FOOD AND AGRICULTURE 2009

Livestock in the balance

Presentation to PRIMAFF based
on work by Henning Steinfeld,
FAO

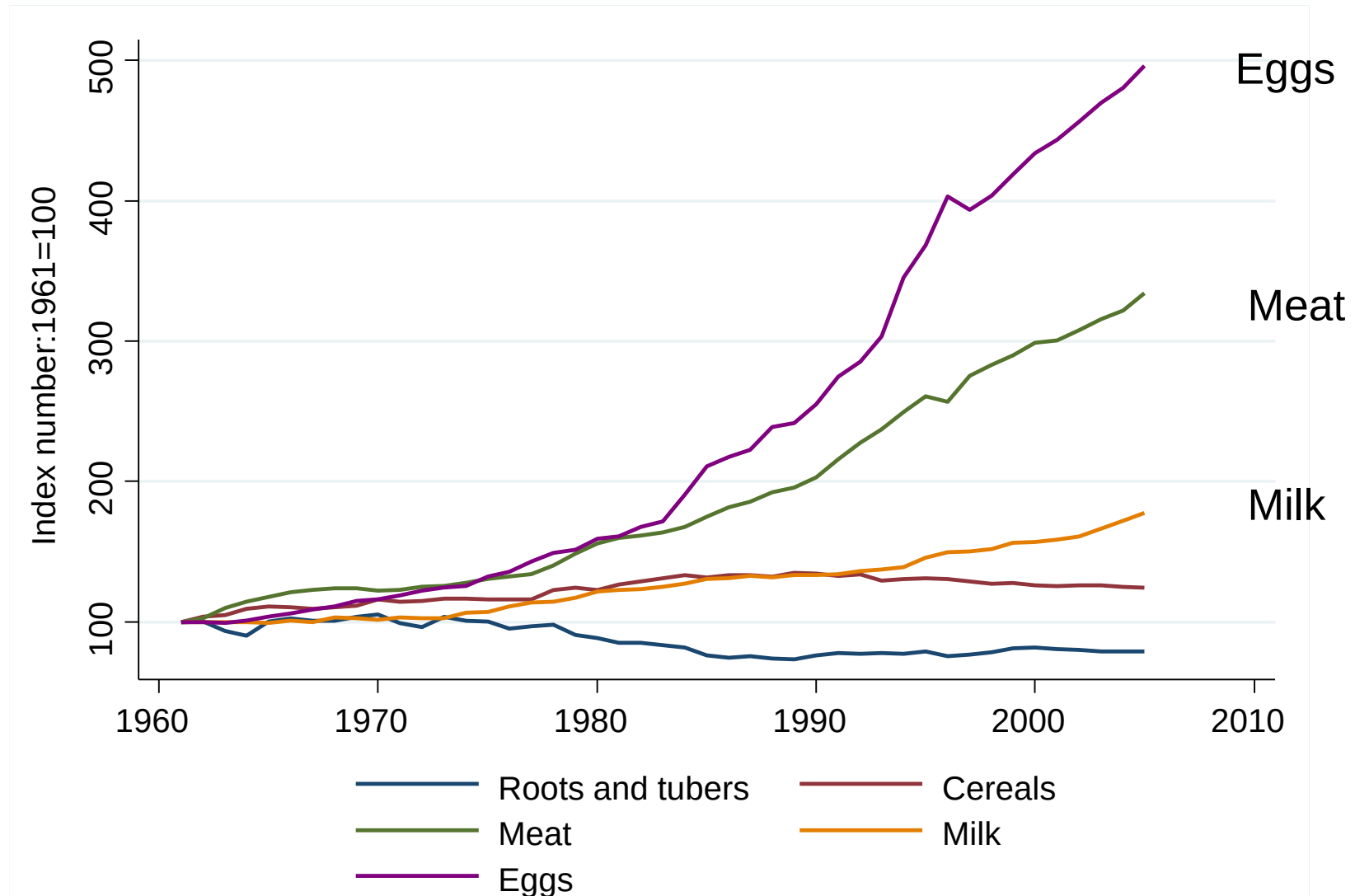


Importance of livestock

- Large, growing, dynamic sector
- Public goods at risk
 - Livelihoods and food security
 - Natural resources and the environment
 - Animal diseases and human health
- Needs better policies, institutions and regulations
- Conflicts and trade-offs

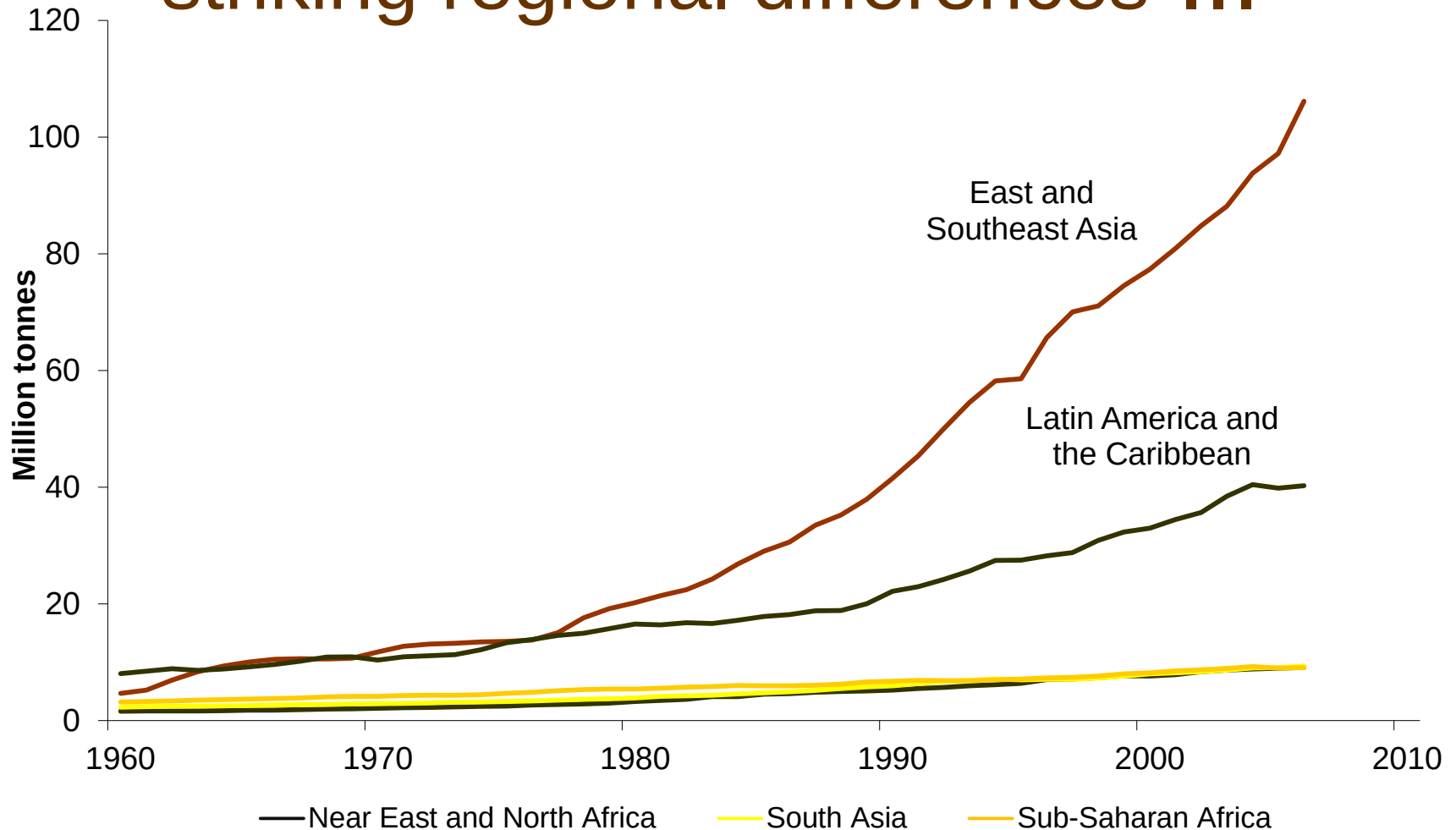


Consumption is growing rapidly in developing countries ...

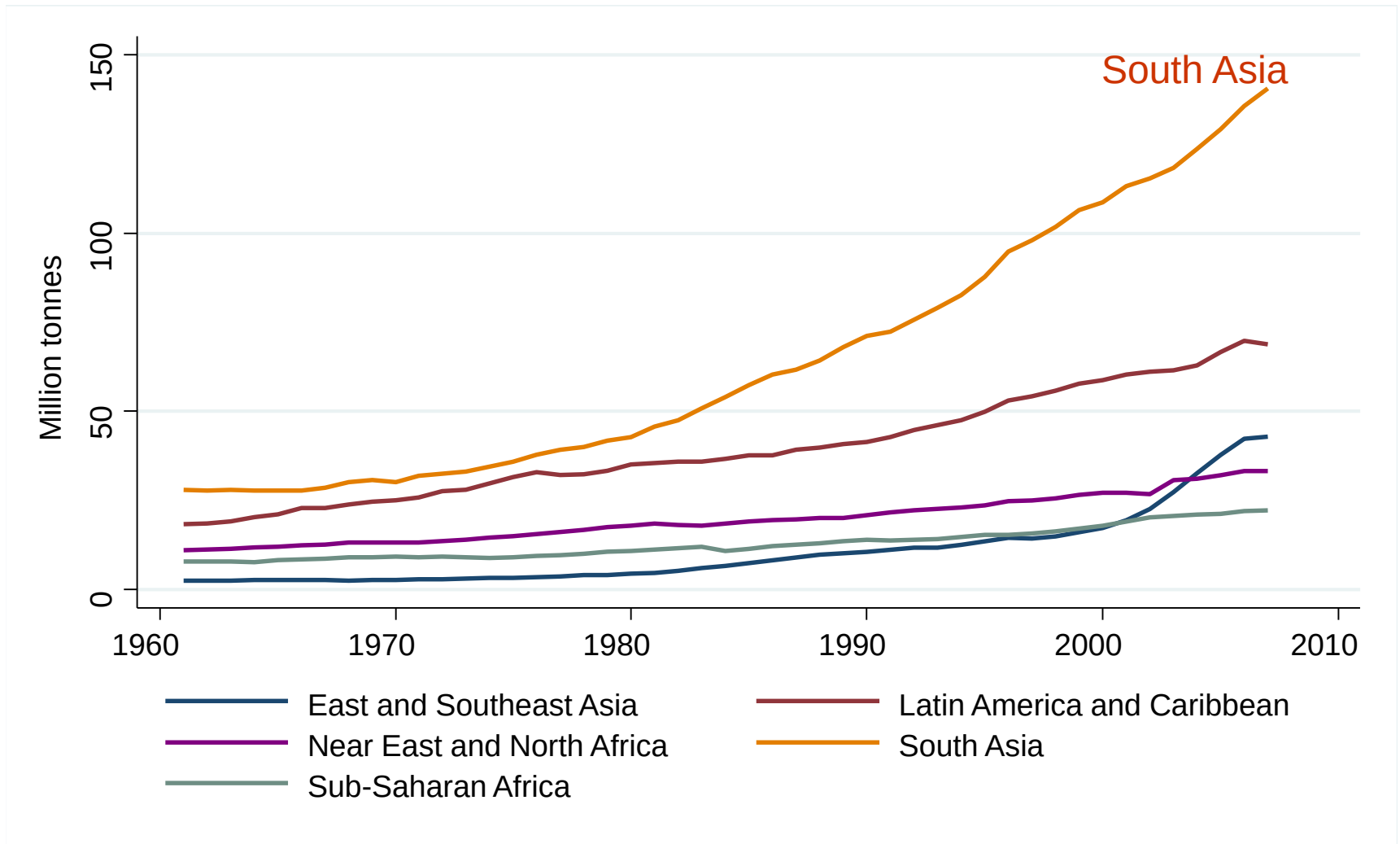


Per caput consumption of major food items in developing countries – kg per caput per year (index numbers 1961=100)

Meat production is growing, with striking regional differences ...



... but South Asia dominates growth in milk production



Livelihoods and food security

- Livelihoods
 - 1 billion people keep livestock
 - 60 percent of rural households
 - livestock have multiple functions
- Food supply
 - 15 percent of dietary energy
 - 25 percent of protein supply



Food Security: what can we do?

- Support smallholders with policy and institutional reform, capacity building, technological innovation and investment
- Recognize and protect the safety-net role played by livestock
- Ease the transition out of the sector



Natural resources and the environment

- 30 percent of all land
- 80 percent of agric. land
- 8 percent of global freshwater resources
- 18 percent of GHG emissions



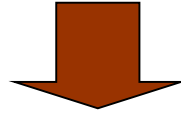
Environment: what can we do?

- Correct market distortions and policy failures
 - regulatory frameworks
 - payment for environmental services
 - other market-based mechanisms and institutions
 - taxes and fees
- Technology to increase resource use efficiency
- Certification schemes, product labeling



ANIMAL DISEASES

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graph TD; A[ANIMAL DISEASES] --> B[Economic risks]; A --> C[Human health]; B --> D[Human well-being]; C --> D;
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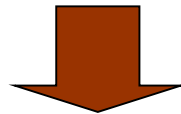


Economic risks

- productivity
- markets
- livelihoods

Human health

- pandemic disease
- endemic disease
- food borne illness



Human well-being

Animal and human health: what can we do?

- Manage the location of livestock
- Early warning systems
- Engage the poor
- Multi-disciplinary integration of approaches (eg. One Health)

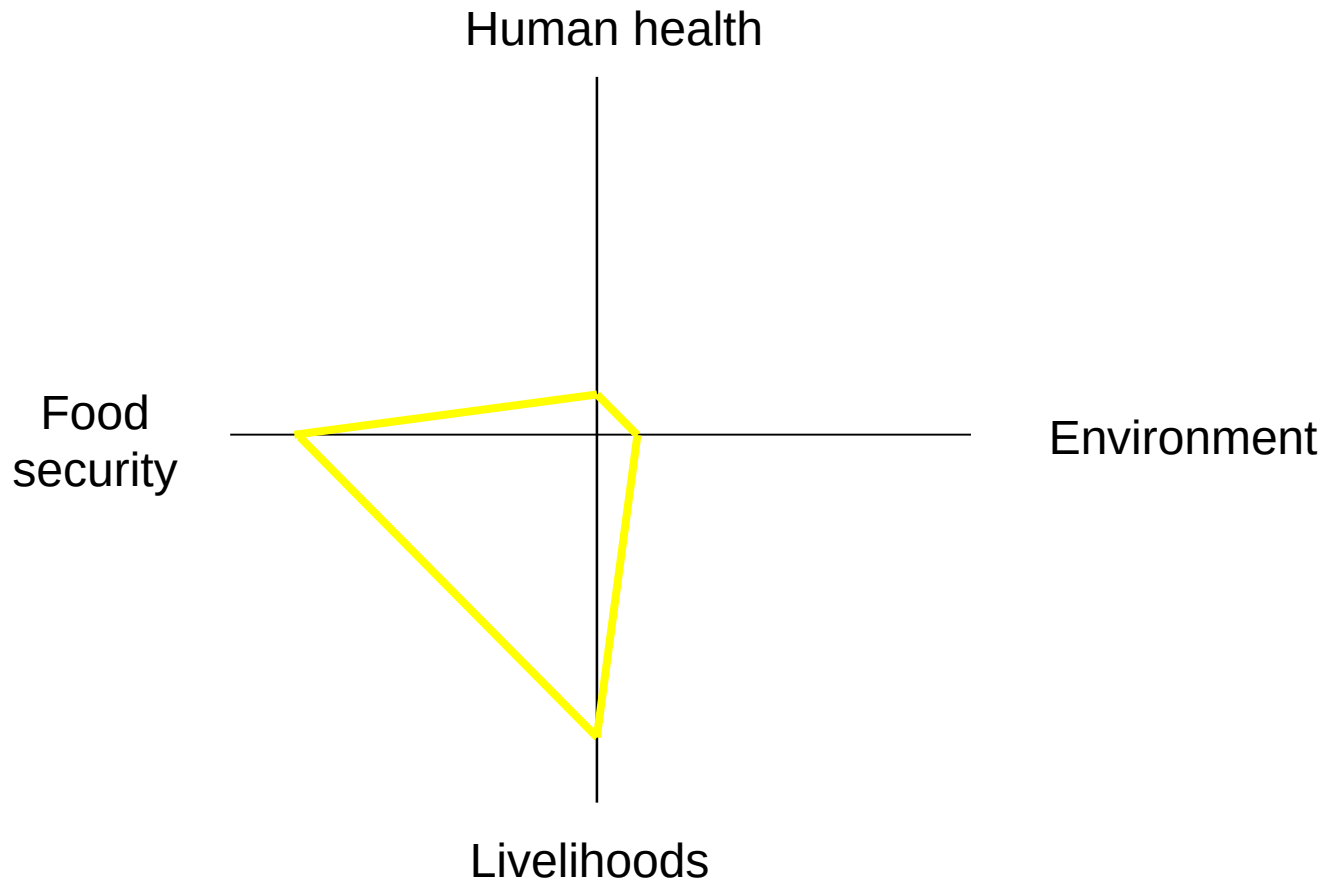


Balancing objectives

- Livelihoods
- Food security
- Environment and natural resources
- Human health



Balancing objectives



— Low development

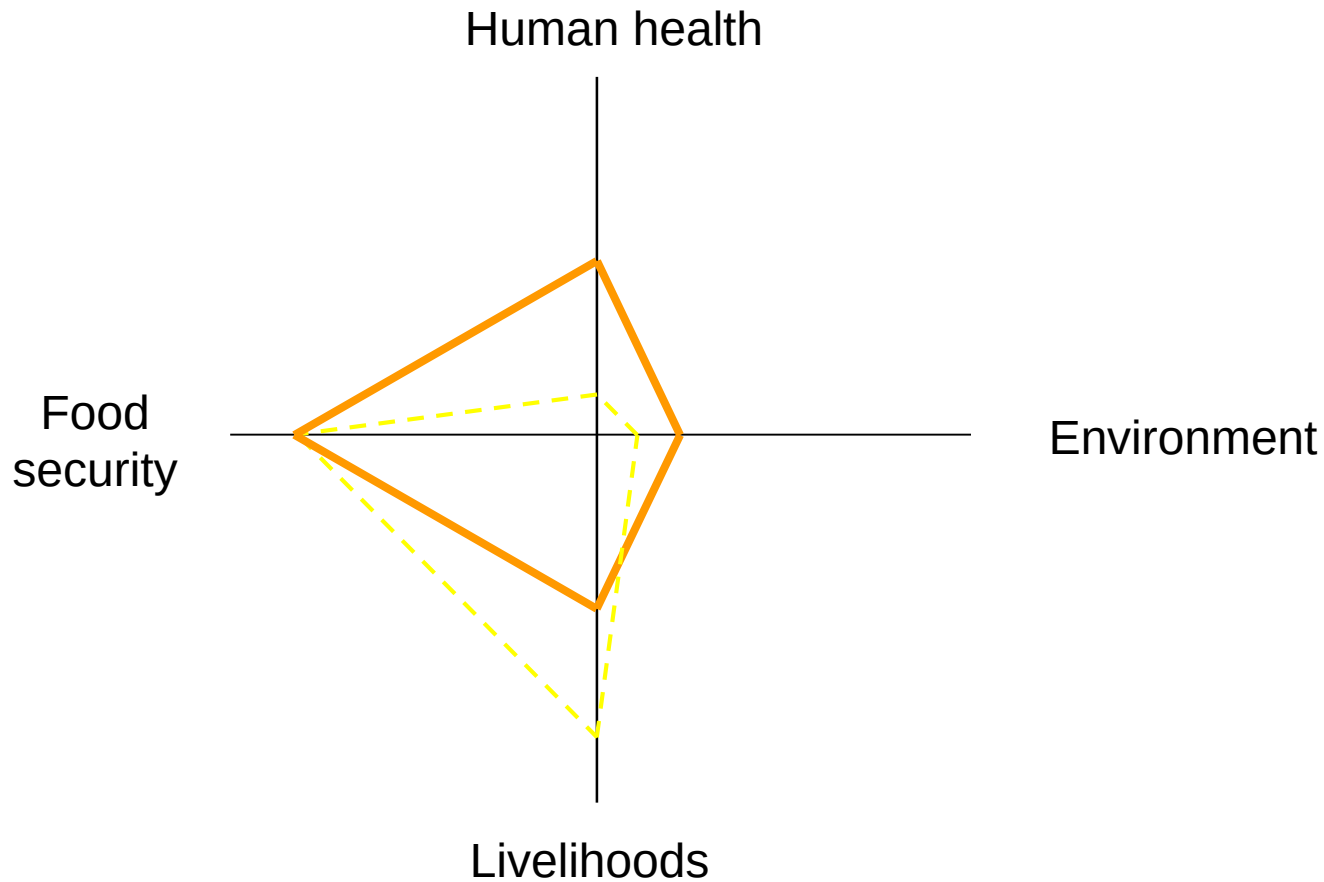
— Rapid industrialization

— Slow industrialization

— Post-industrial



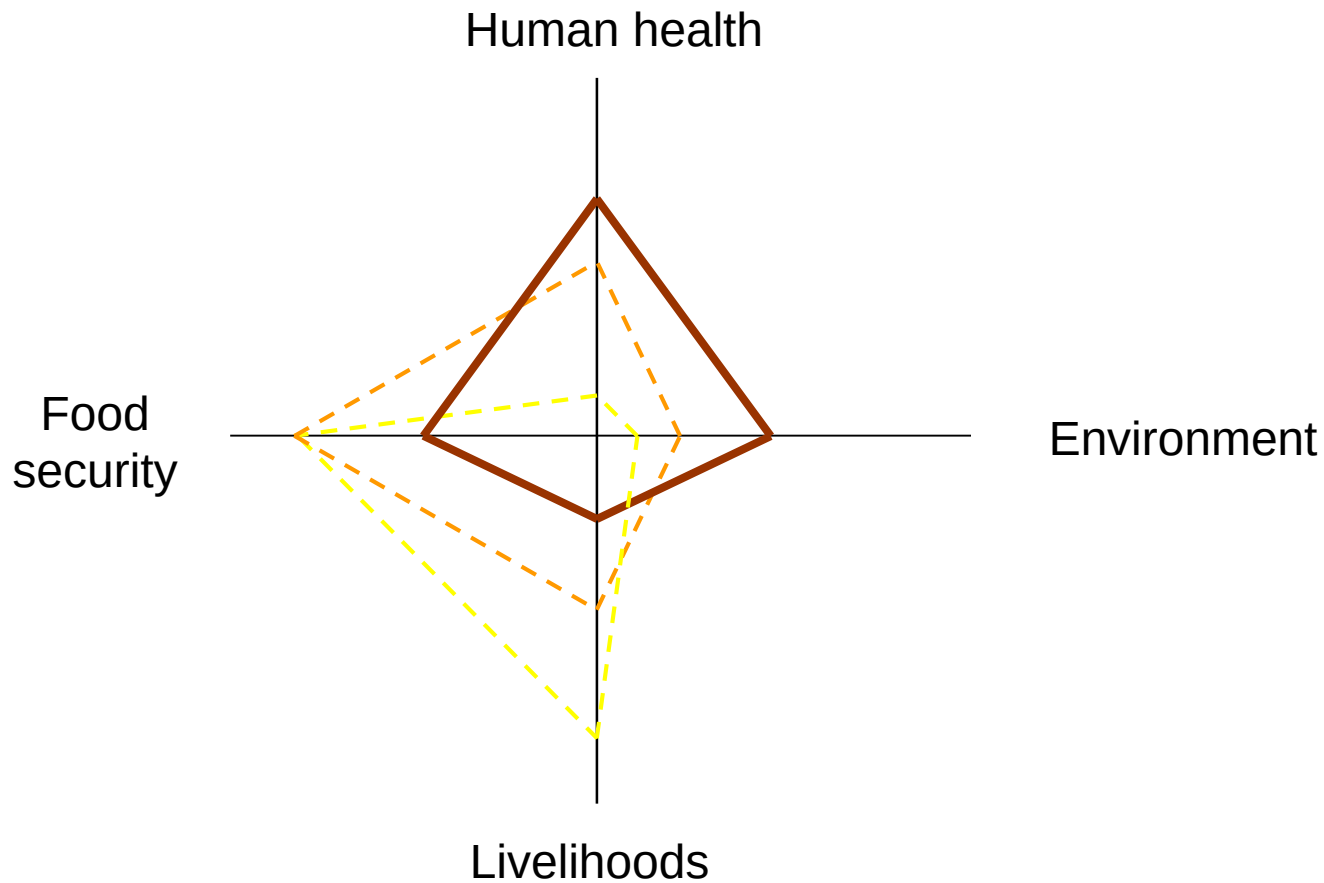
Balancing objectives



- Low development
- Slow industrialization
- Rapid industrialization
- Post-industrial



Balancing objectives



Low development

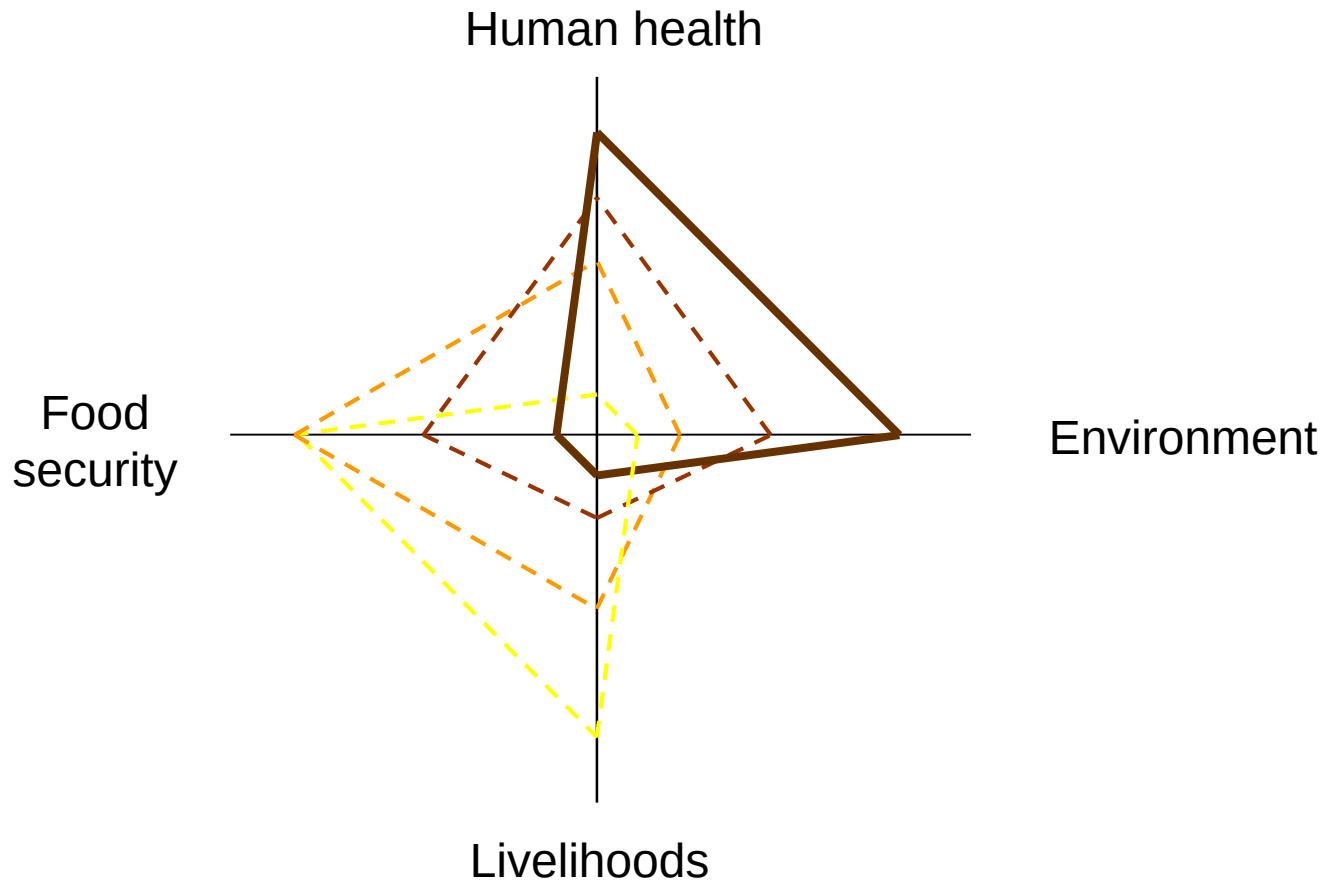
Rapid industrialization

Slow industrialization

Post-industrial



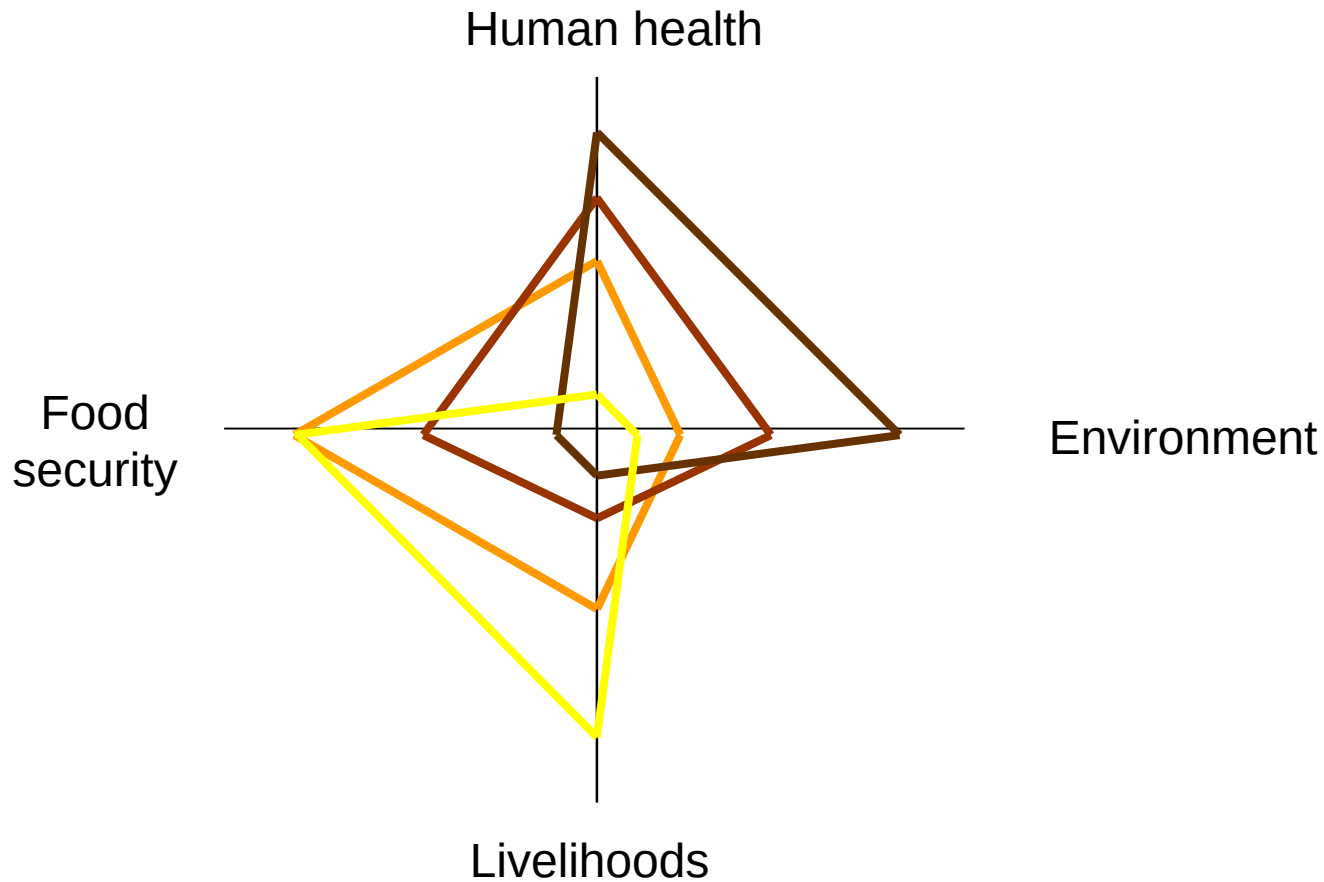
Balancing objectives



- Low development
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Balancing objectives



Low development

Rapid industrialization

Slow industrialization

Post-industrial

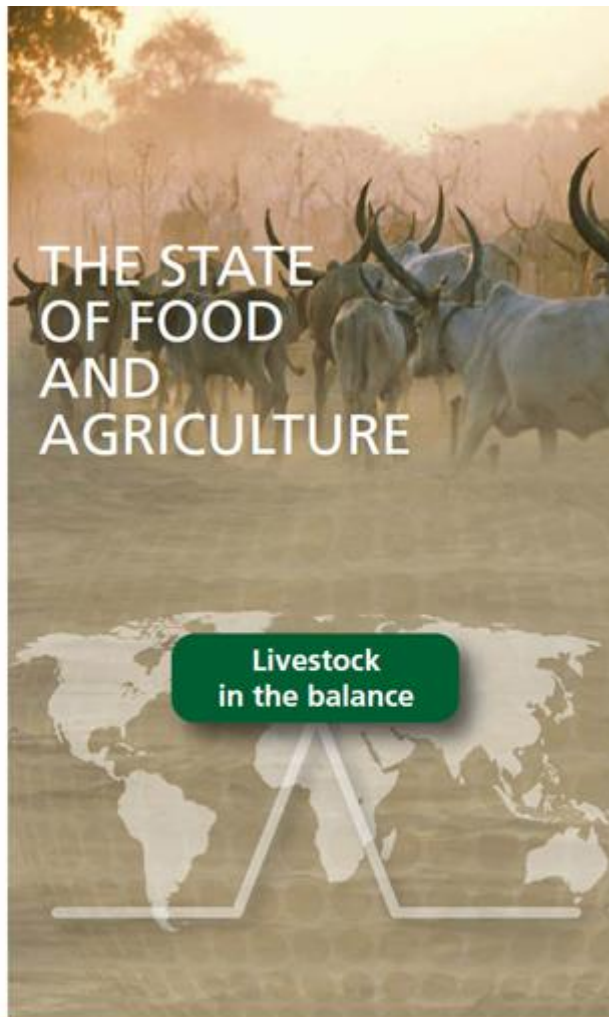


Why the impasse?

- Pace of change
- Political battlefield: conflicts and trade-offs
- Dichotomous nature of the livestock sector



2009



The State of Food and Agriculture Livestock in the balance

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