

# *A Conceptual Framework*

Per Pinstrup-Andersen

*A Sustainability Challenge: Food Security for All,  
Workshop 2: Exploring Sustainable Solutions for  
Increasing Global Food Supplies*

*The National Academies*

*Washington, DC*

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Cornell University

# *Key Questions*

- Can the world feed future generations?
- Can it do so sustainably?
- At what food price?
- At what price volatility?
- Will everybody have access?
- What action is needed?
- Action by whom?



# *Two Workshops*

- Workshop 1: Metrics
- This workshop: Sustainable food supply



# *The Workshop Focus*

**Sustainable Food Security For All**



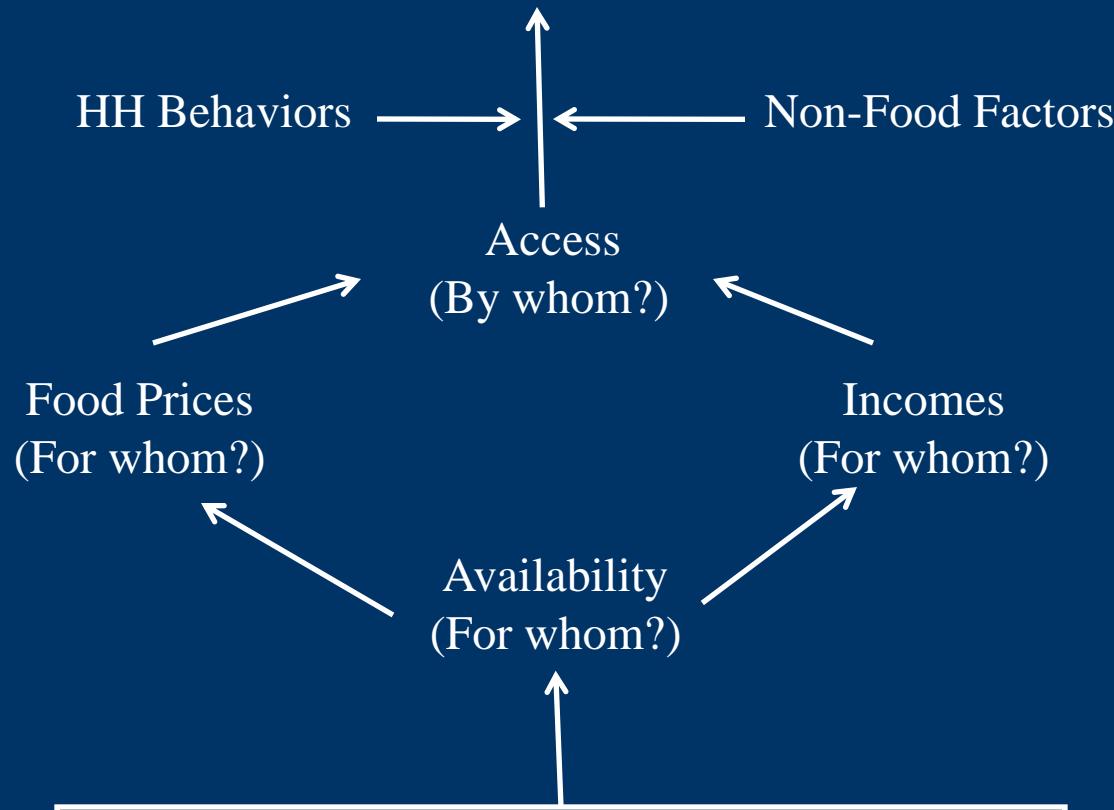
**Sustainable Food Supplies**



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# *The Workshop Focus*

## **Sustainable Food Security For All**



# *Sustainable Food Supply*

## Food Supply, Sustainability, and Future Productive Capacity



# *Approaches and Action*

- Research and Development
  - Reduce yield gaps and lift yield ceilings
  - Farm-level intensification
  - Ecosystem management
- Improve value chains
- Reduce waste and losses
- Improve energy efficiency
- Enhance private investment in land



# *Incentives and Limitations to Action*

- Public sector, political will
- Private sector
- Civil society
- International action
  - Natural resource management
  - Food safety

