SCIENCE, FOOD, AND SOCIETY: CHARTING OUT THE FUTURE ROLE OF SCIENCE POLICY IN DEVELOPING-COUNTRY AGRICULTURE

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Are the agricultural and life sciences at a historic inflection point?

New challenges for global food & agricultural system

• Weather volatility, long-term climate change
• Competition for land, water, biodiversity
• Complex demographic pressures

Our traditional solution? “Technology”

→ Contested narratives around science, food, and society
Making best use of scientific evidence in decision-making

• **Look back** on the social and economic impacts of science on productivity, sustainability, and welfare

• **Look forward** to plausible scenarios for the future impact of science on productivity, sustainability, and welfare

• **Look deep** into the structure, conduct, and performance of our global innovation system
Approaching R4D with a stronger innovation-driven perspective

Assets & inputs
- Knowledge stocks
- Scientific capital
- Human capital
- Land, labor

Tools & technologies

Investment strategies
Collaboration strategies
Risk management strategies

Discovery

Development

Delivery

Outputs & impacts
- Technology products
- Sustainability solutions
- Poverty reduction

Policies & investments
Thank you