Food in 2050: Key Challenges, Drivers and Impacts

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Challenges

- **800 million undernourished**
  - Most in South Asia and Sub-Saharan Africa, progress in China
  - Availability, access, utilization, stability

- **1 billion poor**
  - Most in rural areas, depend at least partly on agriculture

- **2 billion micronutrient deficient**
  - All regions, also overweight and obesity

- **Poor management of natural resources**
  - Depletion, degradation, property rights and access
Drivers

- Economic and demographic shifts
  - Population, income, urbanization, diet
- Climate change, shocks, and conflict
  - Trends, extreme events, market volatility, displacement
- Resource scarcity
  - Land, water, genetic diversity, infrastructure, institutions, credit
- Innovation
  - Technology, agricultural R&D, education, policy, reduced losses
Things driven by the food sector

- Food and nutrition security
  - Calories, protein, micronutrients
  - Availability, access, utilization, stability

- Health
  - Food and nutrition, food safety, water and sanitation, care

- Employment, productivity and income
  - On-farm, off-farm, wider food system, transition

- Resource use and quality
  - Soil and water quality, biodiversity, GHG emissions, mitigation