



Food and Agriculture Organization
of the United Nations

Systemic approach to addressing food and nutrition security

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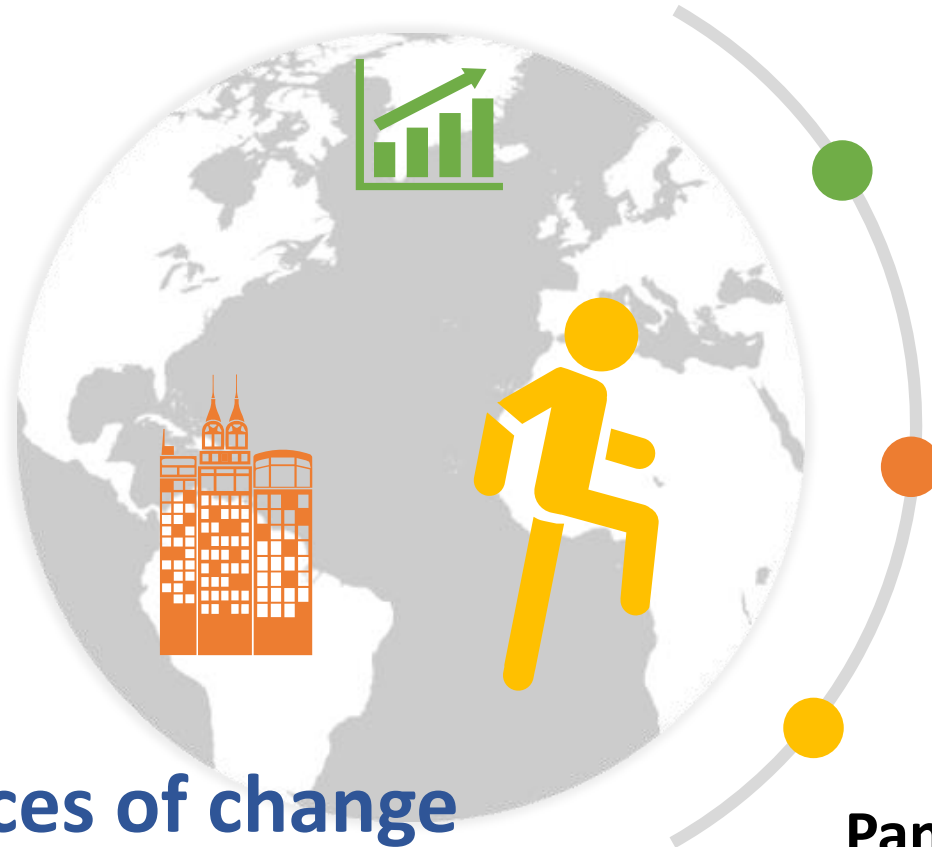
Overview

- **Global challenges and the impact on agri-food systems**
- **Food and nutrition security – evolution and implications**
- **Food systemic approach to tackle food insecurity: WHAT/WHY/HOW**
- **Key takeaway messages**



MEGA TRENDS

Driving agriculture and food system dynamics



Growing population and urbanization

Double forces of globalization and localization

Pressure on natural resources and climate change

Pandemic

Driving forces of change

- Innovation and disruptive technologies
- Shift of power dynamic
- Natural disasters and transboundary pests and diseases

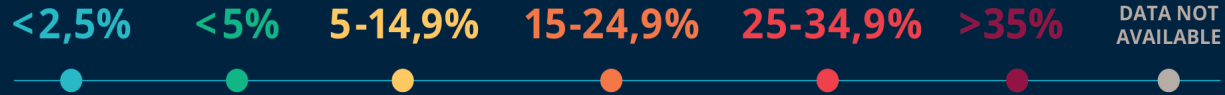
Canada

United States of America
8.9%
Prevalence of
undernourishment in
the world in 2019

SAVING LIVES
CHANGING LIVES
750M
People exposed to
severe levels of food
insecurity

Russian Federation

COVID-19
is compounding existing threats to
food security and nutrition



Prevalence of undernourishment in the total population (percent) in 2017-19

Figures from SOFI, 2020
Map from WFP, 2020

What is the best approach to tackle food insecurity?



Traditional food security and poverty programs

- Improving food security through increasing the supply of food
- Adopt a production-focused approach
- Solutions are often limited to interventions at farm level



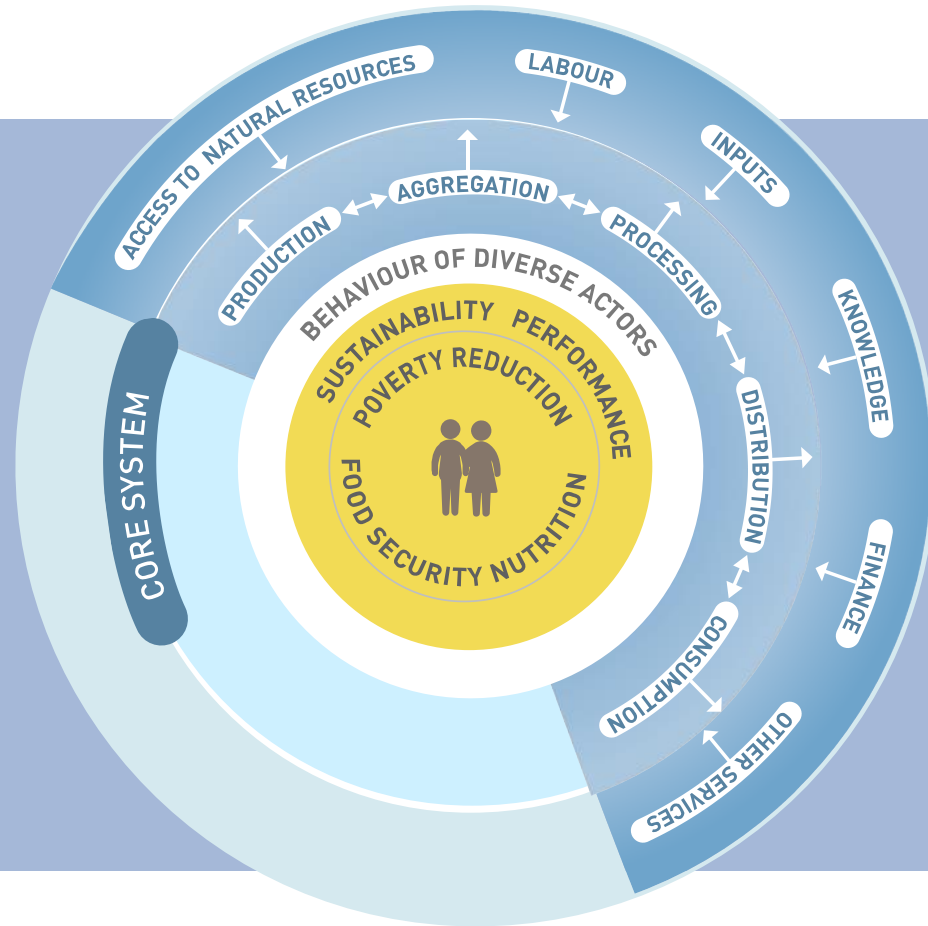
Food security and nutrition - Evolution and implications



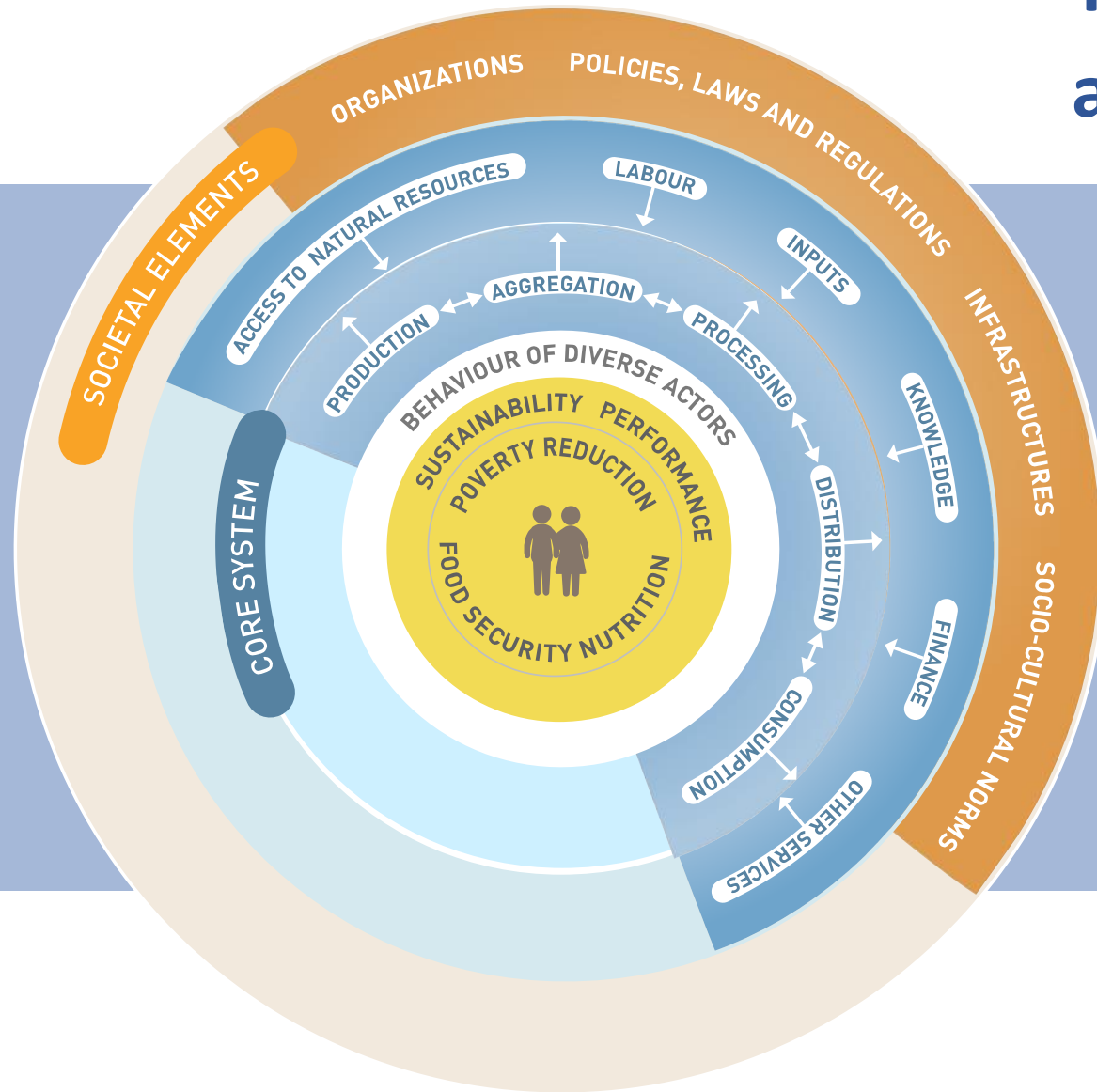
Food security and nutrition - Evolution and implications

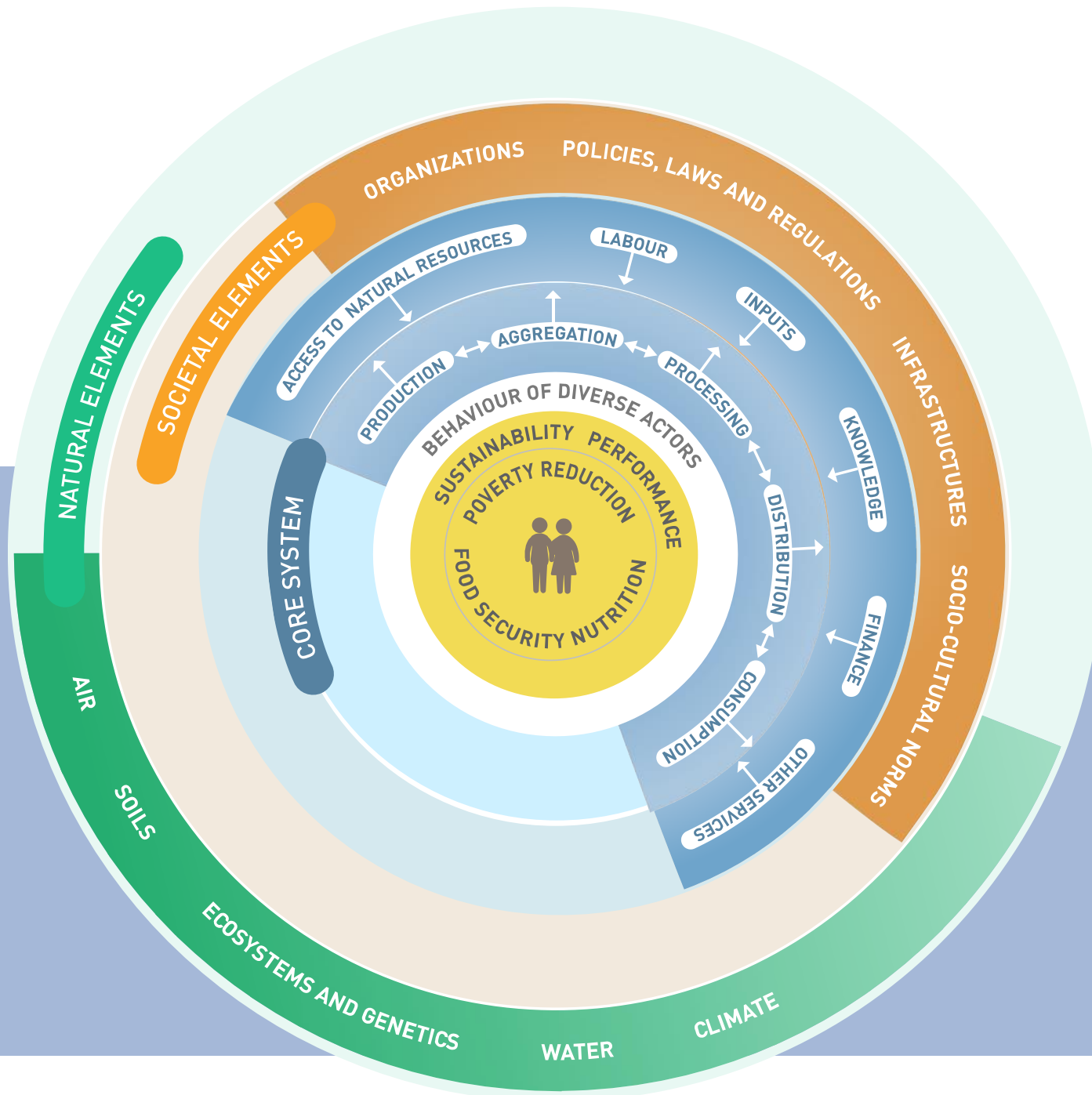


The solutions to food insecurity are **beyond production**



The solutions to food insecurity are beyond ONE value chain





Solutions to FSN

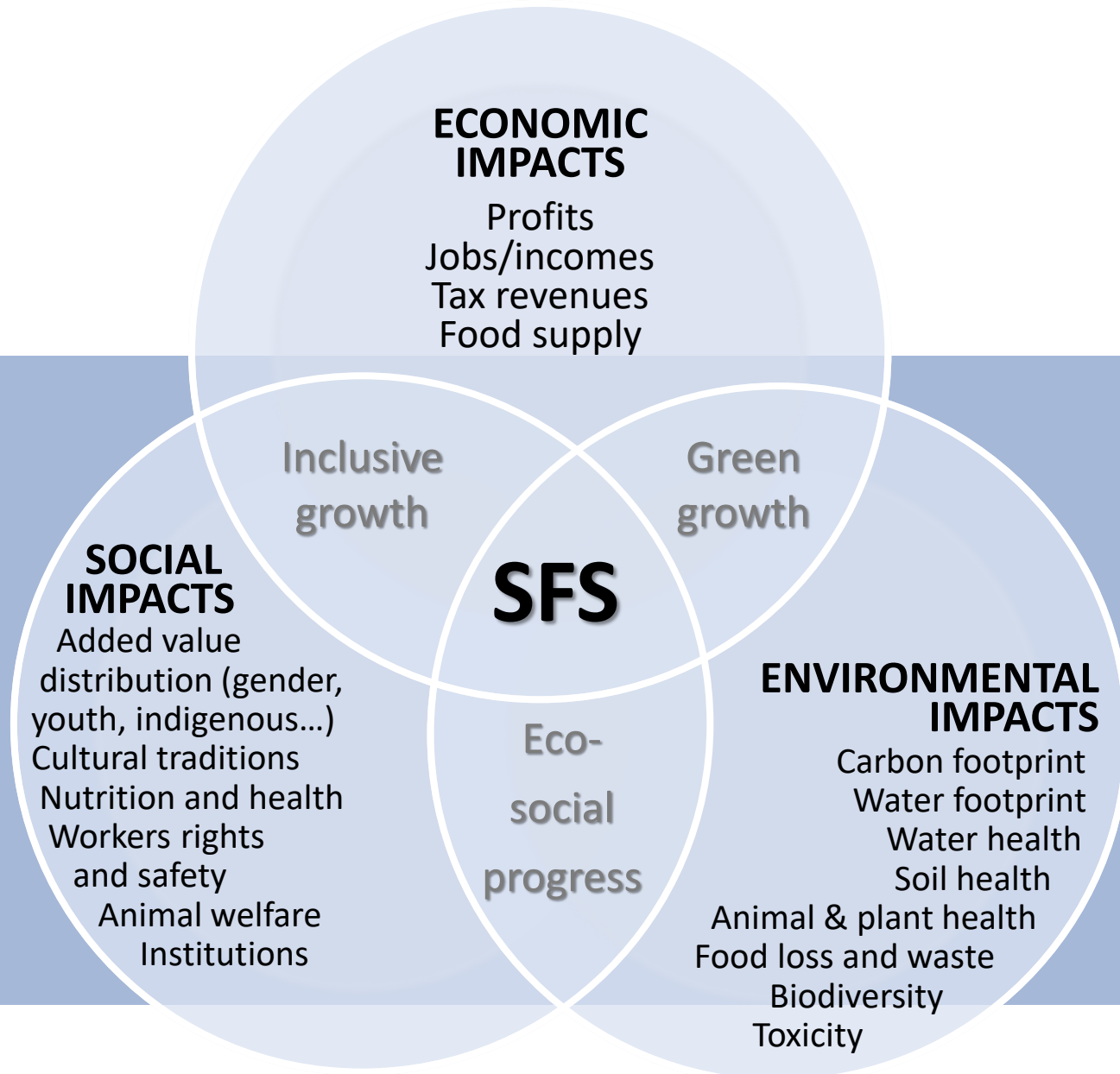
Holistic, Interconnected, Trade-offs and Synergies

=

AGRI-FOOD SYSTEMS

- ✓ People
- ✓ Actors
- ✓ Activities
- ✓ Sectors
- ✓ Natural Resource, economy, climate, society

Sustainable agri-food systems support food security



- ✓ **Productive and prosperous**
- ✓ **Equitable and inclusive**
- ✓ **Empowering and respectful**
- ✓ **Resilient**
- ✓ **Regenerative**
- ✓ **Healthy and nutritious**

WHY a systemic approach to improve FSN?

- ✓ Facilitates solutions based on *holistic analyses* that identify *root causes* of unsustainable behavior, prioritize *leverage points* and address *critical constraints*.
- ✓ Allows developing *integrated interventions* and *better-aligned programs* through collaboration across disciplines and sectors, and within and between countries.
- ✓ Facilitates:
 - *A shift from short-term to long-term vision*
 - *A shift from re-active to pro-active policies and actions*

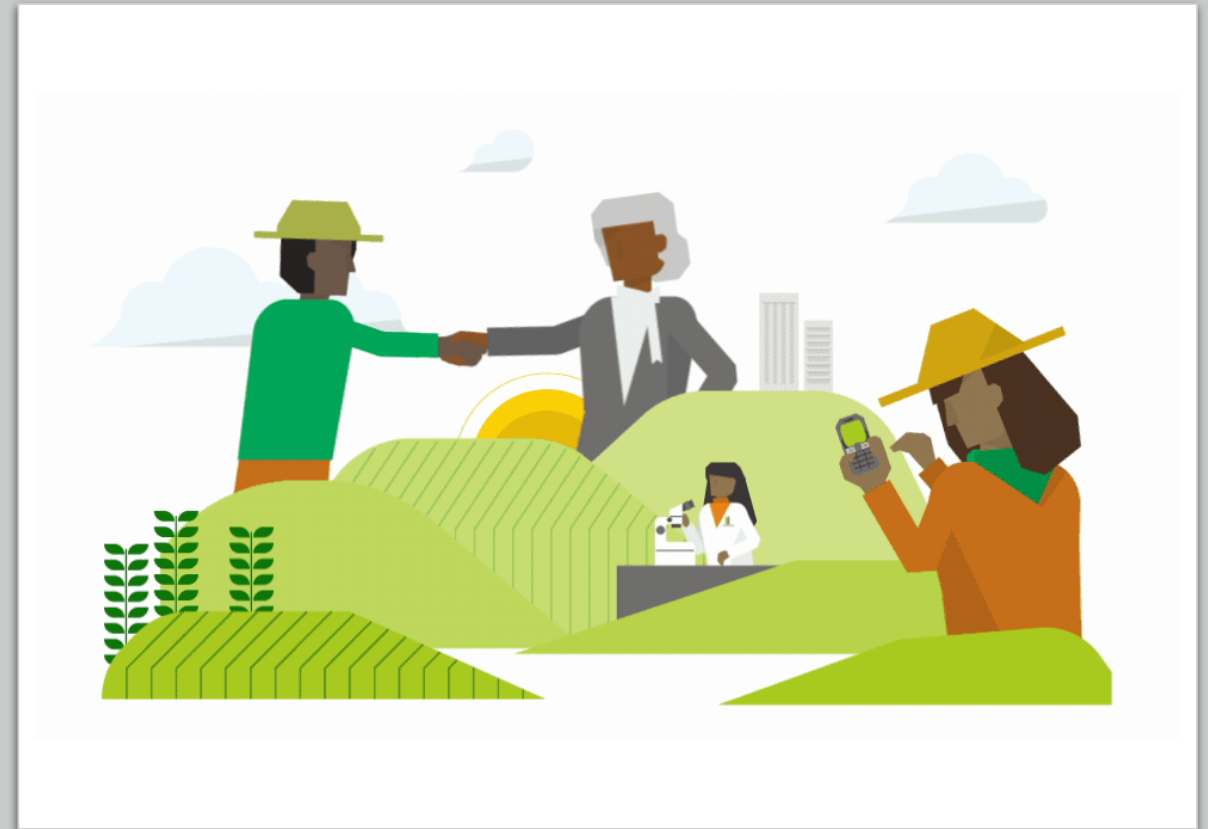
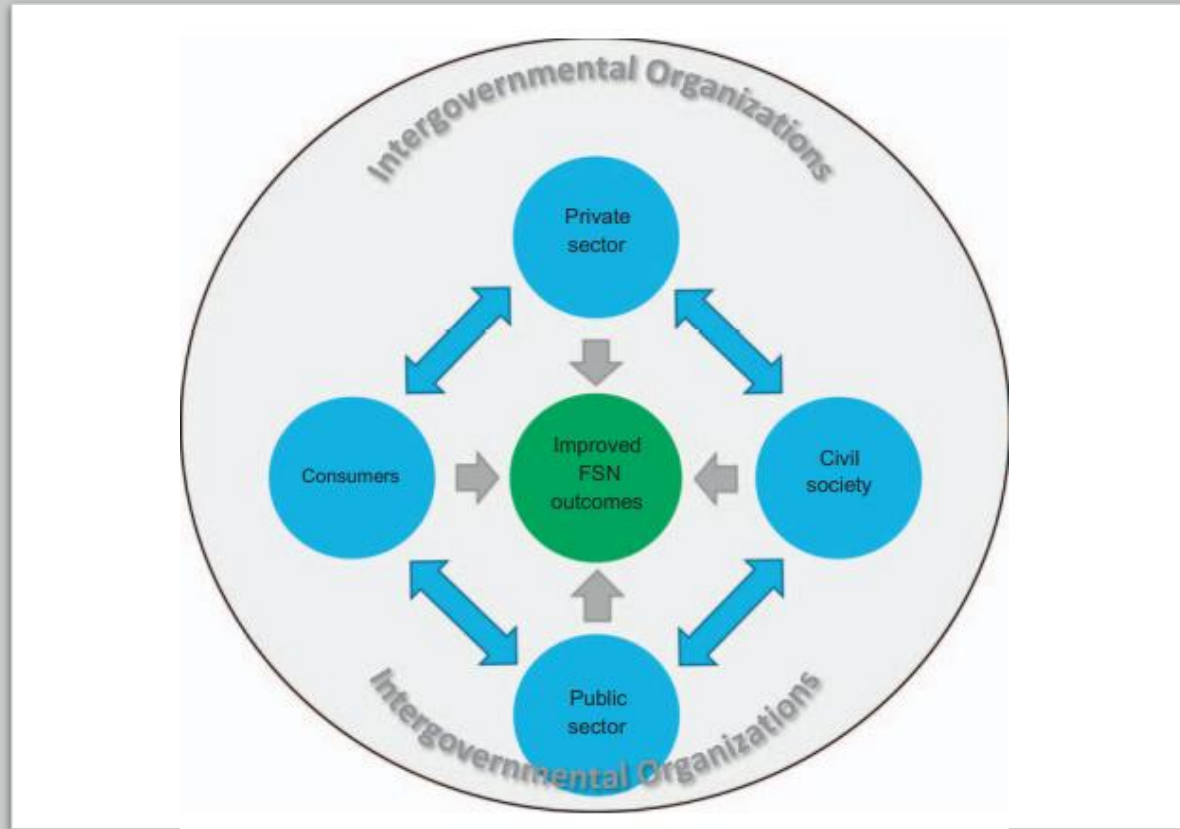


HOW to adopt a Systemic Approach to improve FSN?

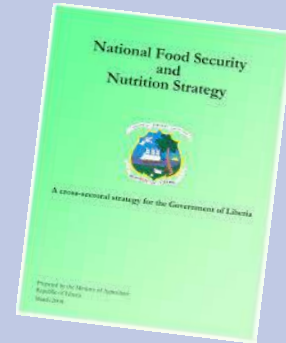
- ✓ **Assessing the performance** of the food system in delivering food security
- ✓ **Understanding performance** of food systems and interlinked root causes of underperformance delivering food security
- ✓ **Improving performance** based on the holistic analysis to:
 - ✓ Develop a **joint vision and strategy** for improving performance,
 - ✓ Develop an **integrated set of solutions** that are **supported by multi-stakeholder partnerships** and **can achieve improved results at scale.**



Coordinated set of actions, implemented by a wider range of actors is key - At both national and global level



Processes supporting FSN



Global

Inclusive international and intergovernmental platform for all stakeholders to work together to ensure food security and nutrition for all

Regional:

CAADP Pillar III framework for African food security
CELAC plan for FSN and eradication of hunger 2025
ASEAN Integrated food security framework
EU Farm to Fork strategy

National

Food security and nutrition plans, acts and strategies at country level



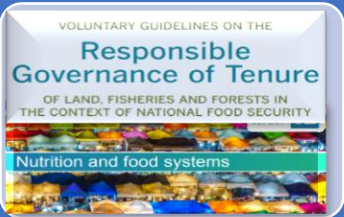
Not starting from scratch...



Principles for Responsible Investment in Agriculture and Food Systems



Voluntary Code of Conduct for Food Loss and Waste Reduction



Voluntary Guidelines

- Right to Adequate Food
- Tenure, Soil Management, Small-Scale Fisheries
- Food Systems and Nutrition under discussion



FAO Food Safety Strategy Approach

- Science based food safety governance
- Food Safety intelligence and foresight

Key messages

- In an increasingly globalized agri-food systems, **the challenges to achieve food security and nutrition could go beyond food value chain** and result from interactions across different scales and levels. Focusing on one part of the value chain, we risk overlooking some root causes of the food system underperformance.
- The complexity of challenges of food security **require integrated actions taken by all stakeholders** at local, national, regional, and global levels, by both public and private actors, and across multiple sectors.
- Achieving sustainable developmental impacts, requires taking an **inclusive approach** and to assess the impact of decisions and interventions on communities, environment and economy, and try to minimize trade-offs and increase synergies.





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THANK YOU

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