Food System Resilience: Elusive Concept or Actionable Framework?

December 14, 2023 9:30am ET



today's **Agenda**

Opening Remarks

Speaker Introductions

Technical Presentations

Audience Q&A

Closing Remarks





Carol Jenkins

Resilience and Agriculture Advisor USAID, Center for Resilience





USAID defines resilience as the ability of people, households, communities, countries, and systems to mitigate, adapt to, and recover from shocks and stresses in a manner that reduces chronic vulnerability and facilitates inclusive growth.





Herman Brouwer

Sr. Advisor Food Systems and Multistakeholder Collaboration

Wageningen University & Research



Meet Today's Speakers

Bart de Steenhuijsen Piters

Sr. Food System Scientist Wageningen University & Research

Ones Karuho

Head, Resilience & Food Systems Unit | World Food Programme Namukolo Covic Director General's Representative to Ethiopia ILRI





Bart de Steenhuijsen Piters

Sr. Food System Scientist Wageningen University & Research



Food System Resilience

Let's put it to work for people and communities



Resilience: From Obscurity into the Spotlight

Resilience is known in science for > 100 years

- Main driver for recent attention was COVID-19
- Little agreement in science on its definition
- Even more confusion when applied to food systems
- ✓ Scientists aspire to 'walk the last mile'
- But how to make resilience concepts work for people and communities?



Why is Food System Resilience Important?

Building food system resilience is necessary to withstand shocks and stressors and maintain progress towards desired outcomes, such as food and nutrition security and equitable livelihoods for all in a healthy ecosystem.



Defining Food System Resilience: Keep it Simple

- We understand food system resilience as the capacity of food systems to deliver desired outcomes in the face of shocks and stressors.
- The delivery of desired outcomes depends on that capacity of food systems to **anticipate**, **prevent**, **absorb**, and **adapt** to the impacts of shocks and stressors.
- From the vast literature on resilience, we identify four capabilities that are strongly correlated to resilient systems:



The ABCD of food system resilience building





Buffering





Agency

the means and capacities of people to mitigate risks and to respond to shocks

Buffering

resources to fall back on in the face of shocks and stressors

Connectivity

the interconnection of and communication between actors and market segments

Diversity

diversity at different scales and in different places, from production to consumption and from farm level to regional diversity

Using the ABCD for Building Food System Resilience



Diagnosing the ABCD capabilities at the right level



Focusing resilience building for whom, for what, for when, for where and why



Designing interventions: which ABCD capabilities at need to be strengthened and how (5 W's)?



Monitoring & evaluating: which easy-to-use indicators of ABCD reflect well progress and impact?

In Conclusion



If you can't define it, you can't measure it

2.

Food system resilience is a capacity, not a system outcome



The ABCD explain +/- 70% = good enough: make it work in practice now



It's important to understand the rationale of intervention (5 W's) before designing



In Conclusion



The ABCD need to be diagnosed to reveal strengths and weaknesses



Interventions must be designed to strengthen ABCD capabilities



Easy-to-use indicators help MEL even in informal sectors of the food system



Building resilience must go with other system objectives, such as 'efficiency'





Ones Karuho

Head, Resilience & Food Systems Unit World Food Programme



Reducing the Need for Humanitarian Food Assistance by Investing in Resilience



In addition to the **global shocks**, Western Africa is facing local shocks that affect its food systems

- **1. Climate shocks and land degradation** => reducing production capacity due to desertification, droughts, and floods
- 2. Economic shocks => making nutritious diet unaffordable
- 3. Armed conflicts => disrupting food supply systems
- 4. Migration and other people's movements => illegal and dangerous migration to Europe + traditional pastoralism

WFP's approach to building resilience in the Sahel



Ensure Agency capacity Create Buffer Stimulate Connectivity Enhance Diversity



- Over **3.2 million people** reached from 2018 to 2023
- Nearly 1,000 intervention sites in 3,000 villages



Reducing humanitarian needs in the Sahel Drive transformative change, enhancing natural capital human capital, socio-economic inclusion and social cohesion Livelihoods, value chains and ecosystems are being restored to mitigate the impacts of climate change



Namukolo Covic

Director General's Representative to Ethiopia, ILRI; Regional Director East & Southern Africa CGIAR



Borena Ethiopia drought





<u> https://twitter.com/RobertC78726751/status/1</u> 72607042464643508<u>3</u>

Multiple Resilience Challenges

Poverty, climate change, internal conflicts, external conflicts, resource limitations, etc.

"Food system resilience: difficult and complex but actionable framework with adequate & iterative resourcing."

Ethiopia case study used to illustrate what is possible

https://twitter.com/UN/status/1220935074289 <u>315842/photo/1</u>





Ethiopia and Kenya, Nov 2023

Ethiopia Productive Safety Net Program (integrated)

- Rural: Large-scale social protection: Improve food security by stabilizing asset levels to enhance resilience.
- ✓ Urban: Savings, skills, self employment
- Disaster risk management
- Mix of public works employment and unconditional transfers.
- ✓ No demonstrated effect on nutrition outcomes
- Evaluations have led to enhancing nutrition sensitivity, but resources are limiting coverage and potential impacts.
- Impacts on infrastructure development is visible.





Seqota Declaration Innovation Phase: Impressive Progress

- Ruel et al., 2018: difficult to reduce stunting using nutrition sensitive agriculture
- Joint impact study with John Hopkins for Seqota
 Declaration Innovation Phase (2015- 2020; 40 woredas)
- < 2yr Stunting reduction: 3% / year</p>
- The approach included at game changer for the Ethiopia Food Systems Transformation Roadmap. Roadmap includes an Index Based Livestock Insurance to reduce climate related risk in pastoralist settings.





Ethiopia Food Systems Transformation Pathway and Roadmap A visionary framework a

The Vision!

"A holistic transformation of Ethiopia's food systems from production to consumption that promotes enhanced food safety, nutrition and diets, improved livelihoods, greater land preservation and restoration and greater resilience to shocks and stress."

"We seek to transform our food systems using sustainable and healthy diet-centred lens that minimizes trade-offs through calling for strong collaboration across all food systems actors, uniting around a common goal of healthy and sustainable diets for all." A visionary framework and supporting governance structure has emerged out of the UNFSS2021 within which to address resilience



Taking a Humanitarian, Development and Peace Nexus Approach is Important!

Humanitarian: Save lives now!

- Food Systems & Development: How can we strengthen resilience long-term from a development perspective?
- Peace: Insecurity begets humanitarian crises that begets development crises.

Challenges in any of three pillars will negatively impact resilience, but integration needs attention!



Thank You

Please use the Q&A feature to submit questions for our speakers



