

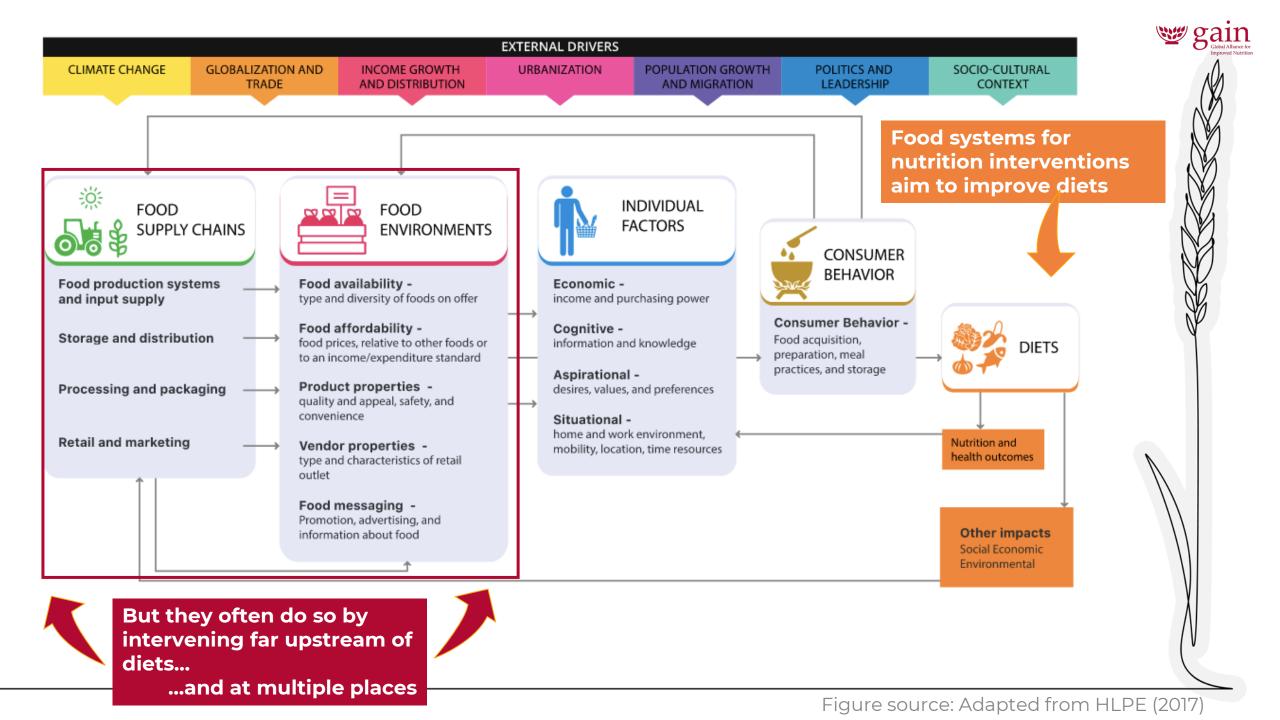
# MEASURING IMPACT IN FOOD SYSTEMS FOR NUTRITION PROGRAMMES: CHALLENGES AND SUGGESTIONS

**Stella Nordhagen** 

Global Alliance for Improved Nutrition (GAIN)

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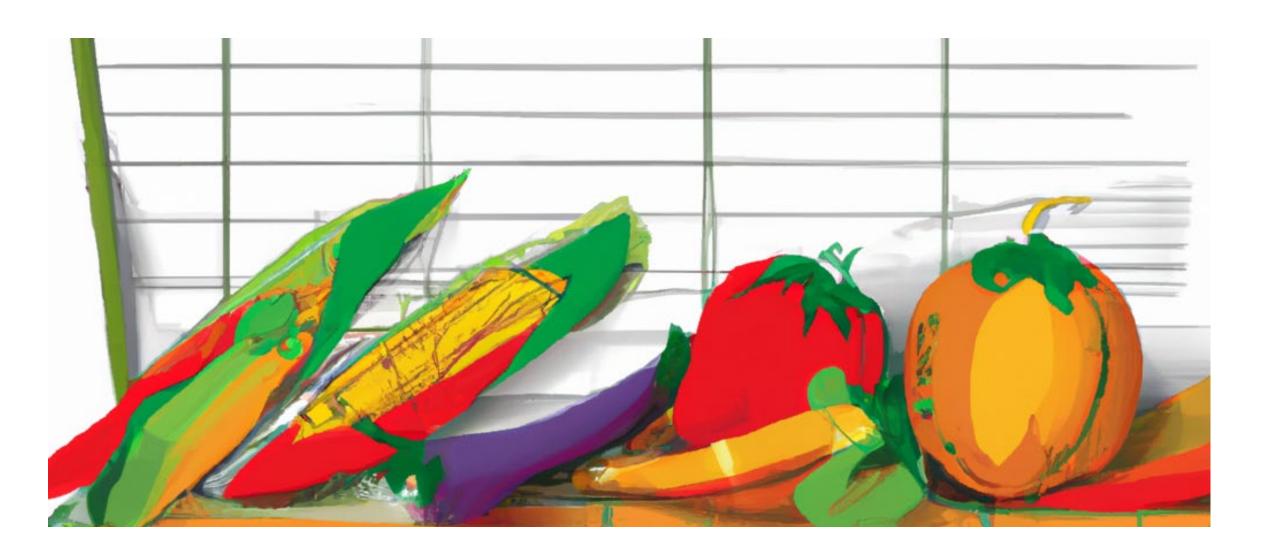


### **METHODOLOGY**





- Six interventions and evaluations in 12
   LMICs: grants and TA to food SMEs;
   business networks for food SMEs;
   supporting access among vulnerable
   workers; stimulating demand for nutritious foods
- 14 researchers from nutrition, economics, other social sciences + practitioners
- Workshop to synthesise lessons learned across all of them



# **FIVE CHALLENGES**

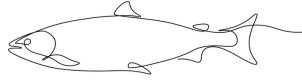
## **LACK OF EVIDENCE BASE**



Interventions are often novel; designed based on theoretical or intuitive understandings, but without a strong evidence-base

- Need for 'leap of faith' in theory of change
  - More, stronger assumptions
- Can't rely on prior evidence to interpret results (esp. when unexpected)

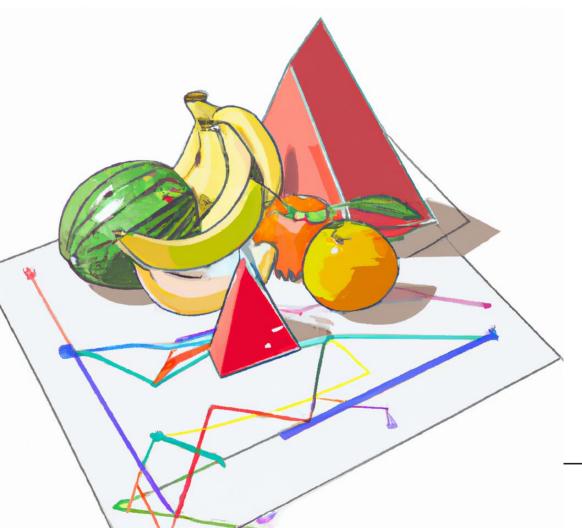




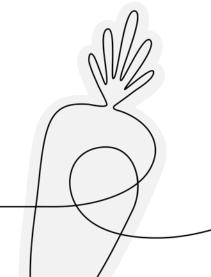
## INTERVENTIONS TEND TO BE DYNAMIC AND MULTI-FACETED

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# The intervention that is implemented may not be the one the evaluation was designed for



- Incomplete understanding at outset
- Private-sector (and other) partners may make rapid changes
- Participatory approaches





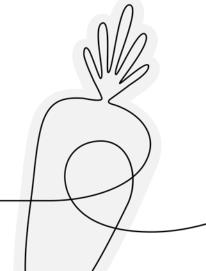
### **ADDRESSING ATTRIBUTION**



Fundamental challenge in impact evaluation: what would have happened in the absence of the program (counterfactual)



- System-based interventions may not allow for easily assigning a 'control' and 'treatment'
  - esp. supply side or policy interventions



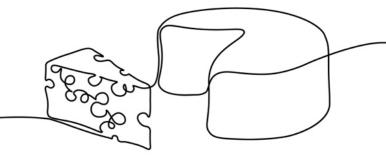


## **OBTAINING TIMELY, ACCURATE DATA**





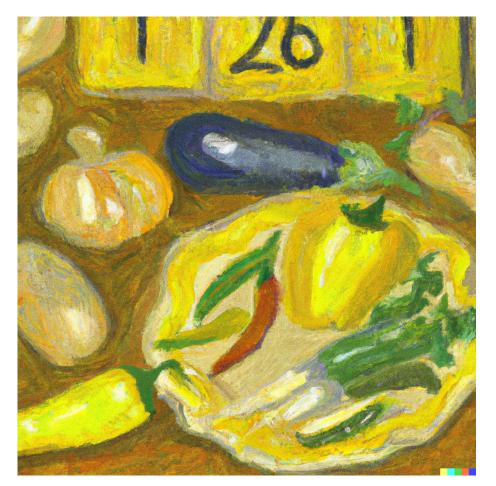
- Long, complex, unpredictable links to activities, outcomes and impact
- Tracking food as it moves through the supply chain (care about end consumer and circumstances of consumption: diet quality contribution aligning with nutritional needs)



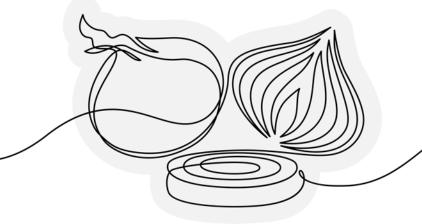


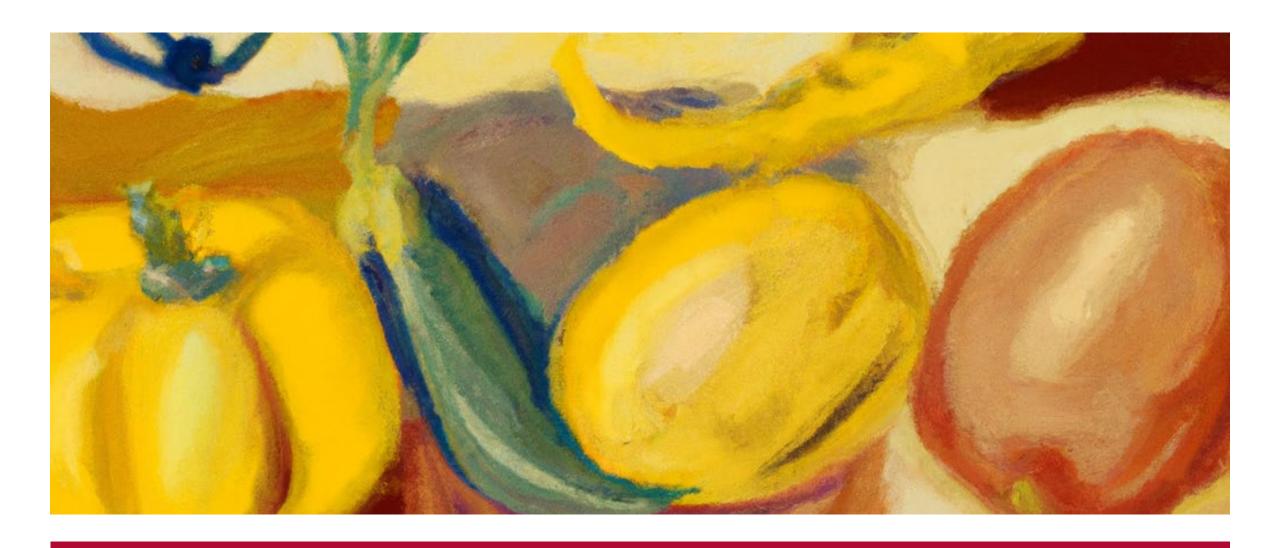
### **DEFINING AND MEASURING APPROPRIATE OUTCOMES**





- Multiple endpoints (e.g. business viability + food access)
- With participatory interventions, perspectives on key outcomes vary across stakeholders
- Practicality limits on multiple outcomes
- Ambition of change vs. reality of evaluation: What can reasonably be expected to change in a statistically measurable amount, within evaluation timeframe?





SIX CROSS-CUTTING RECOMMENDATIONS





- Analyse critically
- Focus in on assumptions
- Be clear when an intervention is not evaluation-ready



# Adaptive and flexible

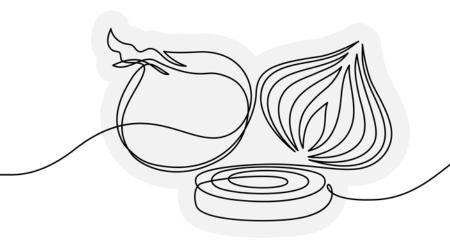
- Expect, welcome adaptations
- Consider studying the changes themselves





# Transparently document methods and changes

in project ToC, assumptions, and study protocol





# Assess a range of outcomes, incl. unintended consequences

- Be realistic in effects and their sizes
- Ensure adequate power (or seek out alternative methods)



# Combine and triangulate methods



 Consider contribution analysis where attribution not feasible

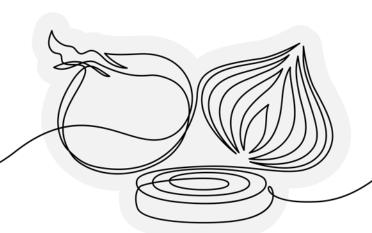


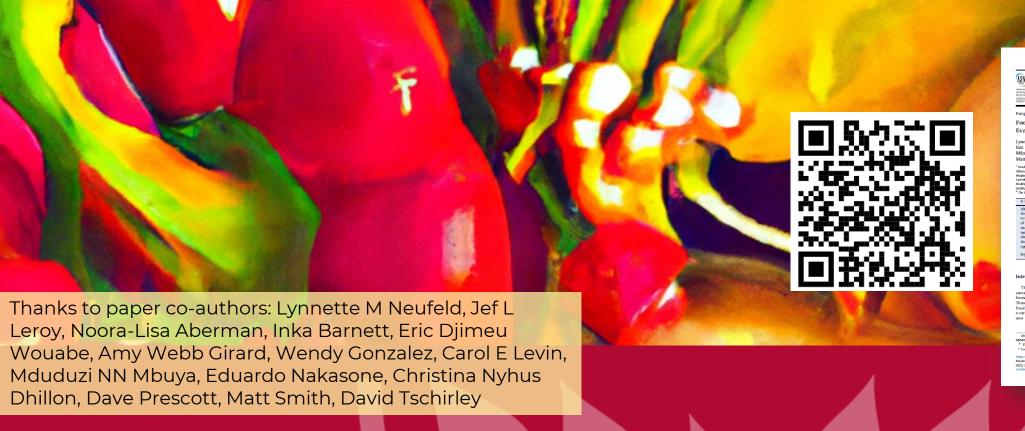


# Reach across disciplines to find them (incl. economics!)

Regression discontinuity, natural experiments

Don't let methodological limitations constrain ambition of programme design.





Rue Varem bé 7 1202 Geneva, Switzerland Mailing address: PO box 55, 1211 Genève 20

Website: www.gainhealth.org Email: info@gainhealth.org

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Thank you

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### THE JOURNAL OF NUTRITION

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#### Perspective

Food Systems Interventions for Nutrition: Lessons from 6 Program Evaluations in Africa and South Asia<sup>™</sup>

Lynnette M Neufeld 1-, Stella Nordhagen 2, Jef L Leroy 3, Noora-Lisa Aberman 2, Inka Barnett Eric Djimeu Woushe 5, Amy Webb Girard 6, Wendy Gonzalez 2, Carol E Levin 7, Mduduzi NN Mbuya 2, Eduardo Nakasone 8, Christina Nyhus Dhillon 2, Dave Prescott 9, Matt Smith 10, David Tschirley 8

\*Food and Northern Revision, Food and Aprillant Organization of the Usual Nation (MAS), Nam., paly.\*\* Throubelly in Leading Paras, (Allahalize for Improved Nations (MAS), Cons., Support Section (MAS), Cons., Support

#### ABSTRAC

Although these is growing global momentum behind food cytomes starting in a timproor planetary and human behind. Including matter that the contract of the con

Keywords: methods, project impact, theory of change, complex interventions, systems interventions

#### Introduction

The past few years have seen a flurry of publications, presentations, and calls to action related to food system transformation for human, animal, and planetary health [1-5]. These messages coalesced around the 2021 United Nations Food Systems Summit, resulting in consolidation of evidence on a variety of food systems-related topics [6], new coalitions, and new commitments and investments [7]. This included the

forms of mainutrition [8]. To support access to healthy diet:
development donors have funded, and implementing partner
have designed and implemented, a range of different foosystems for nutrition interventions in recent years.

on diets accessible to all: the evidence base on effective actions to "transform food systems for nutrition" is tenuous and in urgent need of expansion. As a result, although strong evidence is

Abbrewators: DAIY, disability-adjusted life year, FE, food environment; GAIN, Global Alliance for Improved Nutrition; LMEC, low- and middle-income could MSME, micro, small- and medium-sized enterprise; RCT, randomized controlled trial; SUN, Scaling Up Nutrition.

\* The views expressed in this publication are those of the author(s) and do not necessarily reflect the views of E. Corresponding author. E-mail address: https://doi.org/10.1007/j.corresponding.author.e-mail.com/en/correspo

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