



FEED THE FUTURE

The U.S. Government's Global Hunger & Food Security Initiative

Food Access and Nutrition Security

February 16, 2022

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Division /USAID



Outline:

- RFS & GFSS
- Why Nutrition matters?
- Food Safety at RFS
- Food Loss and Waste

RFS

A close-up photograph of two hands, one wearing a green sleeve, gently holding a cluster of fresh green leaves. The background is a soft-focus field of yellow flowers.

Ag-Led Growth

A photograph of a man and a woman standing outdoors in a rural, arid landscape. The woman is wearing a bright green shawl over a patterned dress, and the man is wearing an orange shirt and grey trousers. They are both smiling at the camera.

Resilience

A photograph of a woman wearing a blue headscarf and a blue patterned shawl, smiling as she prepares food. She is using her hands to mix a yellow, grainy substance in a large metal bowl. The bowl sits on a yellow and white patterned cloth.

Nutrition

A close-up photograph of two hands being washed under a stream of clear water. The water is splashing, and the background is blurred.

**Water
Security,
Sanitation &
Hygiene**

State of Global Food Security



~700 million

people go to bed hungry
every night



1 in 10

people live in extreme
poverty worldwide



149 million

children were stunted from
poor nutrition before COVID

Potential for Impact in the Food System



50-70%

rural households in Africa and Asia
purchase their foods from local
markets



~30%

of global emissions are from
agriculture and food systems



20-60%

of families escape poverty only to
fall back when hard times hit



82% of children

in low and middle-income countries
do not receive
minimum acceptable diet



\$110 billion

due to lost productivity and
healthcare costs associated
with foodborne illnesses



50-70%

of employment in low/low middle
income countries are tied to food
system

Why Nutrition Matters



45% of deaths
of children under five are
attributable to undernutrition



11 million deaths
per year globally are
associated with poor diets

\$1 → **\$16**
nutrition return



Created by Adrien Coquet
from Noun Project

82% of young children
in LMICs receive
insufficient diets



420,000 deaths
due to unsafe foods

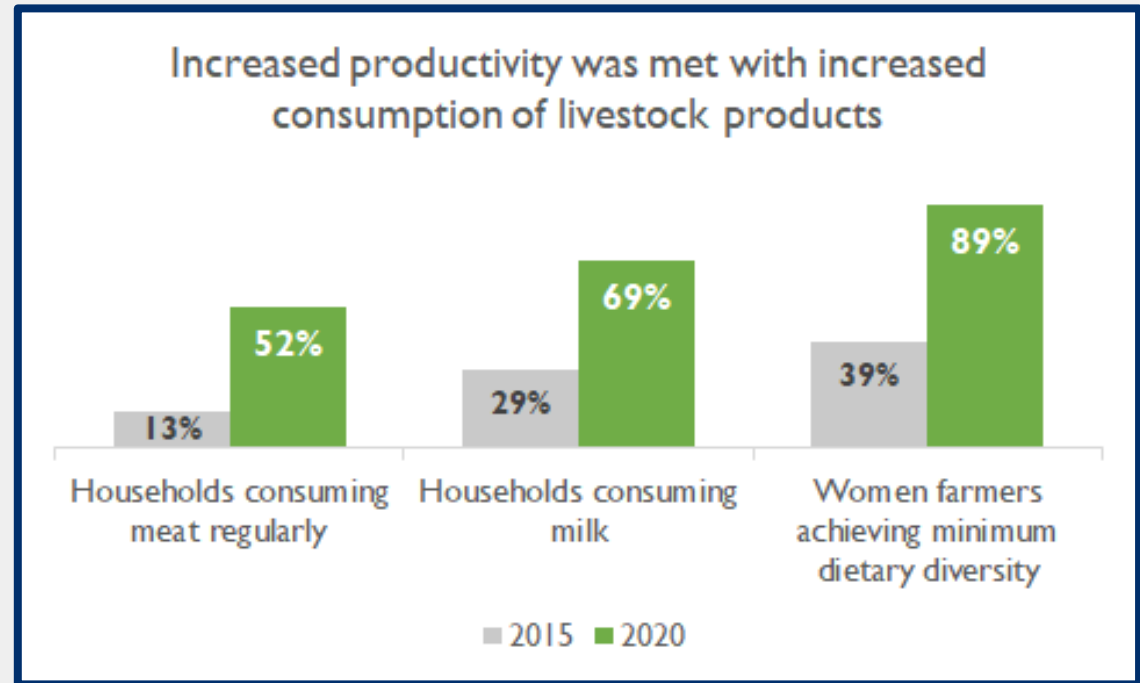


\$110 billion
due to lost productivity and
healthcare costs associated
with foodborne illnesses

Reducing Malnutrition and Saving Lives through Food Systems



32 percent drop in
stunting



- Working across food and health systems has driven down rates of stunting in FTF zones of influence
- FTF improves productivity *and* women's and children's dietary diversity
- Financing for SMEs will break barriers to production of nutritious foods

Food Safety



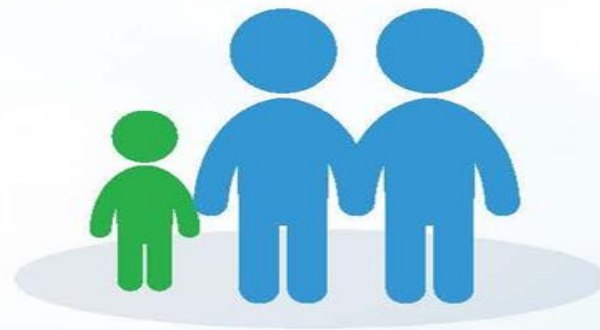
Every year foodborne diseases cause:

almost
 **in 10**
people to fall ill

33 million
healthy life years lost

Foodborne diseases can be deadly, especially in children <5


420 000
deaths



Children account for
almost **1/3**
of deaths from
foodborne diseases

For more information: www.who.int/foodsafety

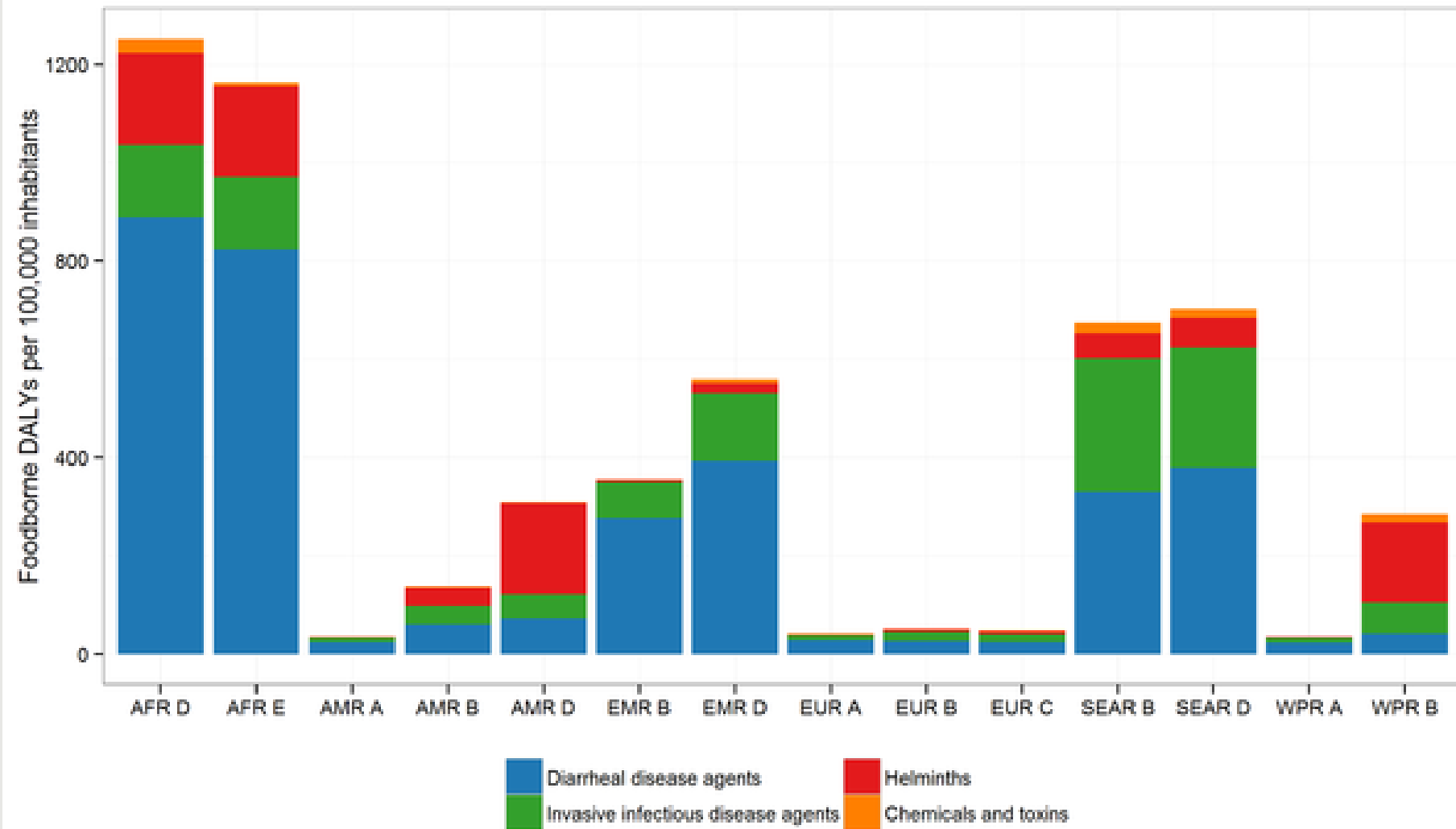
#SafeFood

Source: WHO Estimates of the Global Burden of Foodborne Diseases. 2015.



**World Health
Organization**

Global Burden by Hazard Groups and by Subregion



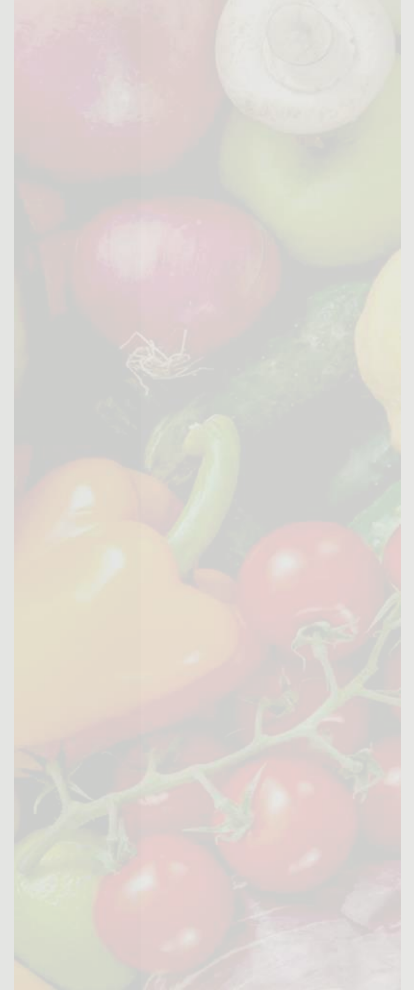
AFR = African Region; AMR = Region of Americas; EMR = Eastern Mediterranean Region; EUR = European Region; SEAR = South-East Asia Region; WPR = Western Pacific Region

Havelaar AH, Kirk MD, Torgerson PR, Gibb HJ, Hald T, et al. (2015) World Health Organization Global Estimates and Regional Comparisons of the Burden of Foodborne Disease in 2010. PLoS Med 12(12): e1001923. doi:10.1371/journal.pmed.1001923

<http://journals.plos.org/plosmedicine/article?id=info:doi/10.1371/journal.pmed.1001923>

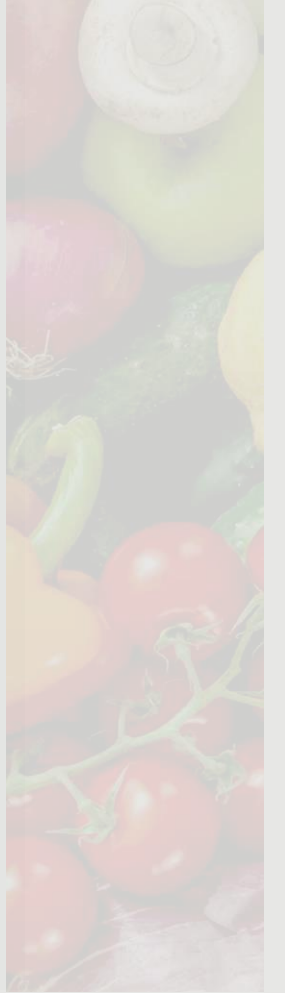
FTFIL for Food Safety

- The Food Safety Innovation Lab (FSIL) is jointly managed by Purdue and Cornell Universities and engages academic, government, and private sector partners.
- FSIL leverages global food safety expertise in locally led projects that address the root causes of foodborne illness.
- Countries with current or planned activities include Bangladesh, Cambodia, Kenya, Nepal, Nigeria, and Senegal.

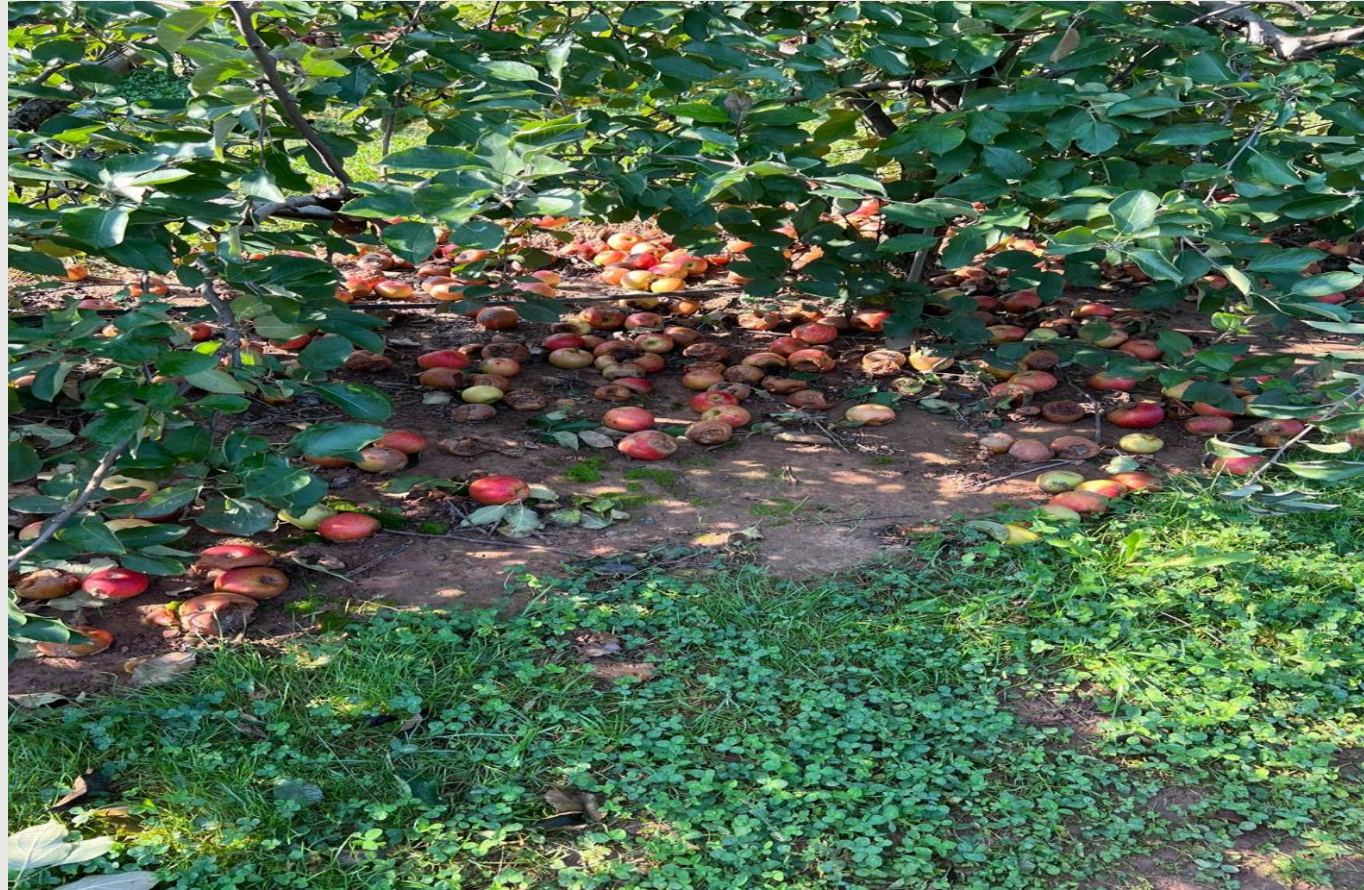


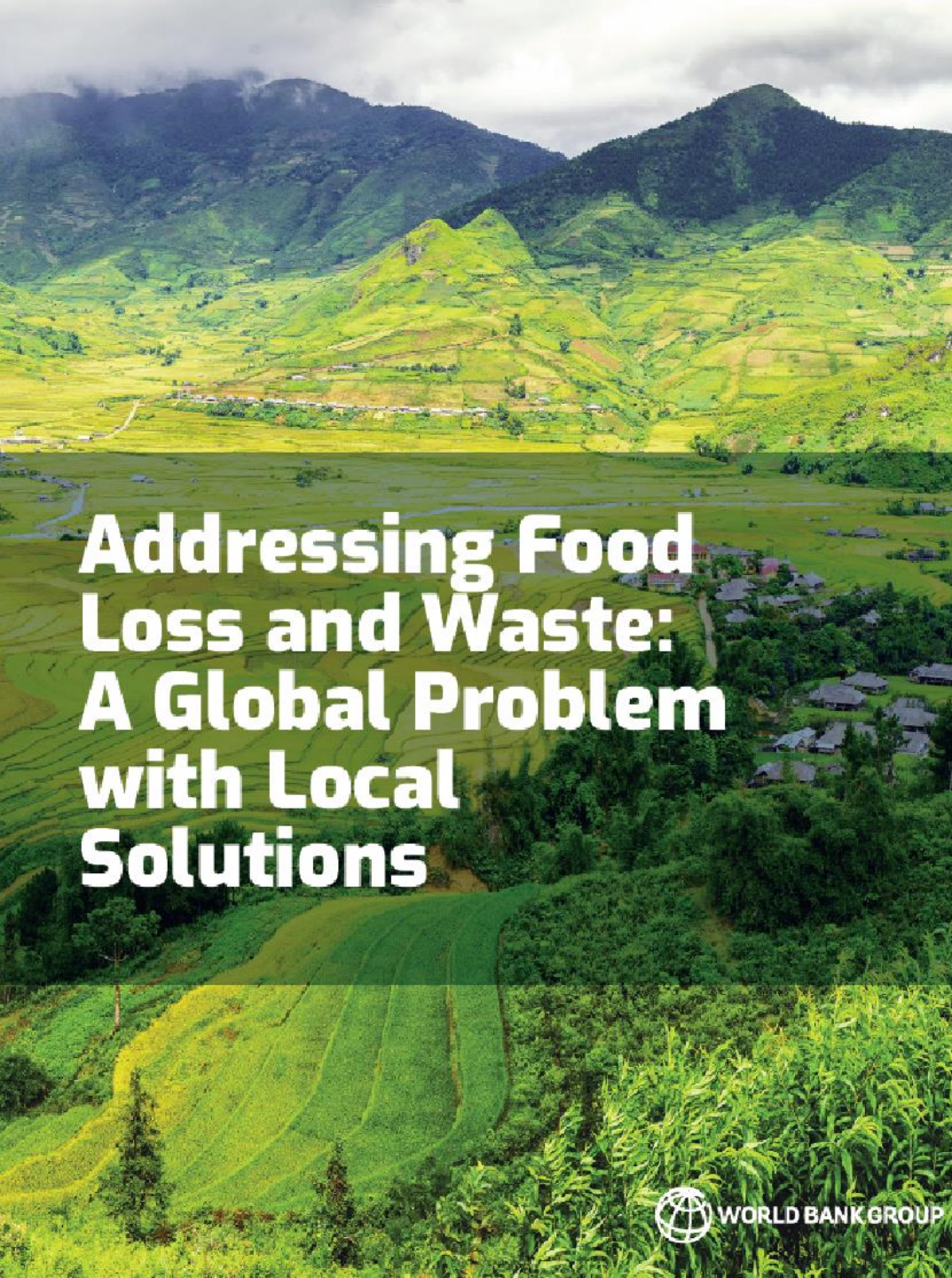
FSIL PARTNERSHIP OPPORTUNITIES

- Dissemination of FSIL research findings to stakeholders in the dairy, vegetable, fish, and poultry value chains
- Scaling and adoption of data-driven food safety practices and policies developed by FSIL
- Information and resource sharing that contributes to an improved understanding of global food safety challenges and their solutions, including:
 - Prevalence of foodborne illnesses
 - Consumer awareness of food safety
 - Economics of food safety
 - Effective food safety policy
 - Interventions or technologies that enhance food safety



Food Loss and Waste





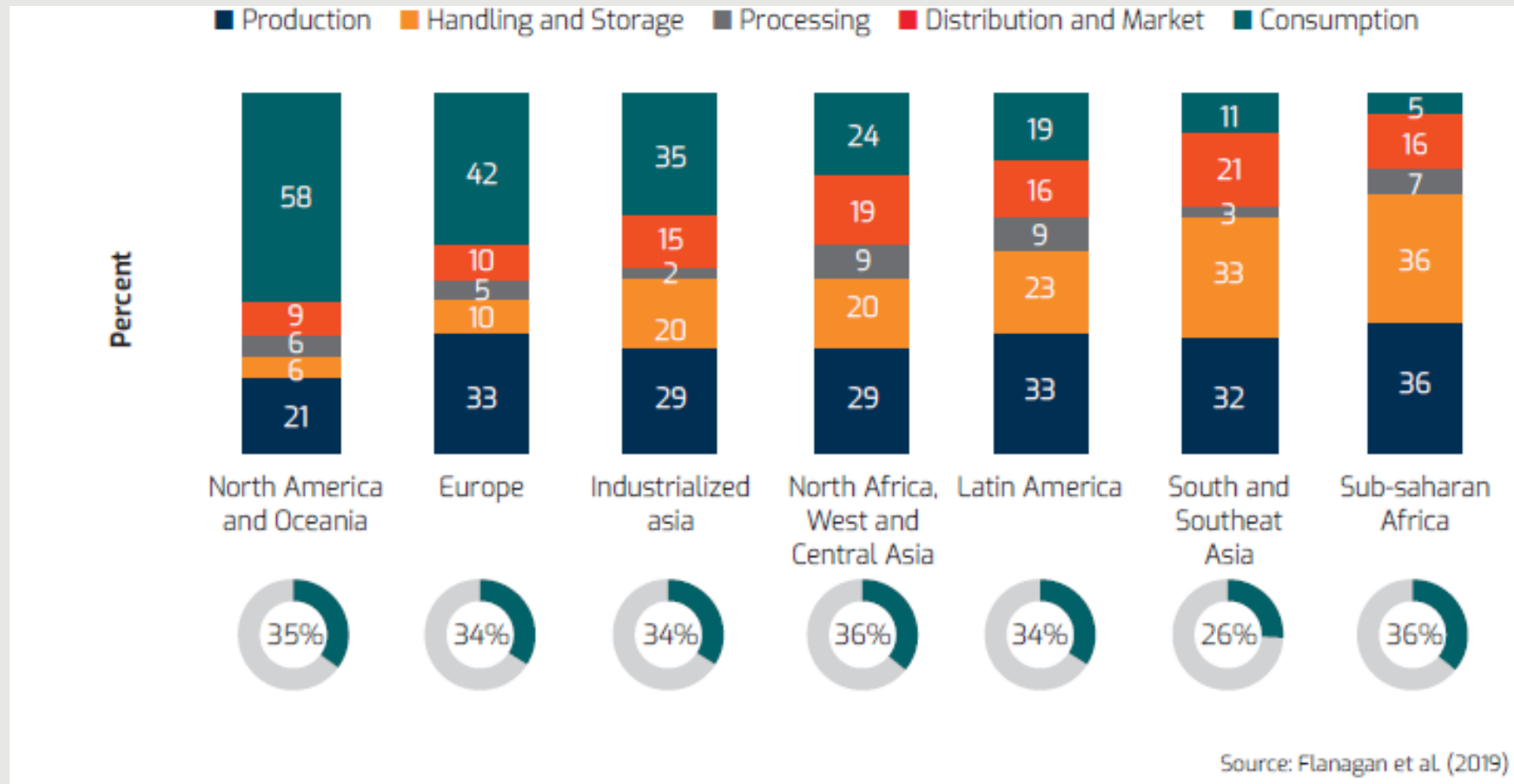
Addressing Food Loss and Waste: A Global Problem with Local Solutions

WB report on FLW:

- Explores the **economics** driving food loss and waste
- Assesses the **impacts** of reducing food loss and waste
- Identifies **entry points for action**

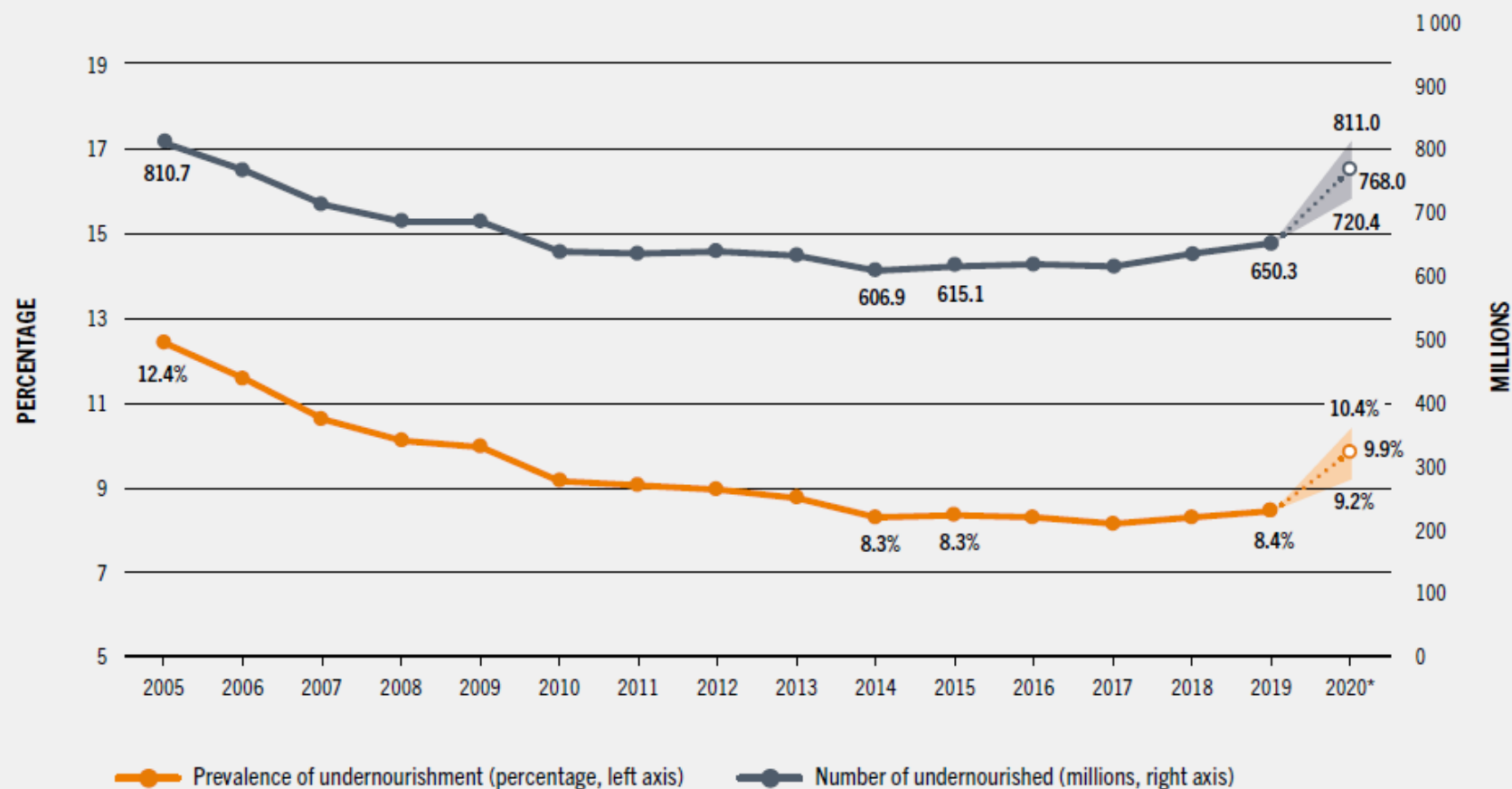
All countries contribute to food loss and waste (FLW) but in differing ways and degrees

Food **waste** predominantly occurs in highly urbanized and developed economies



Food **loss** predominantly occurs in developing economies

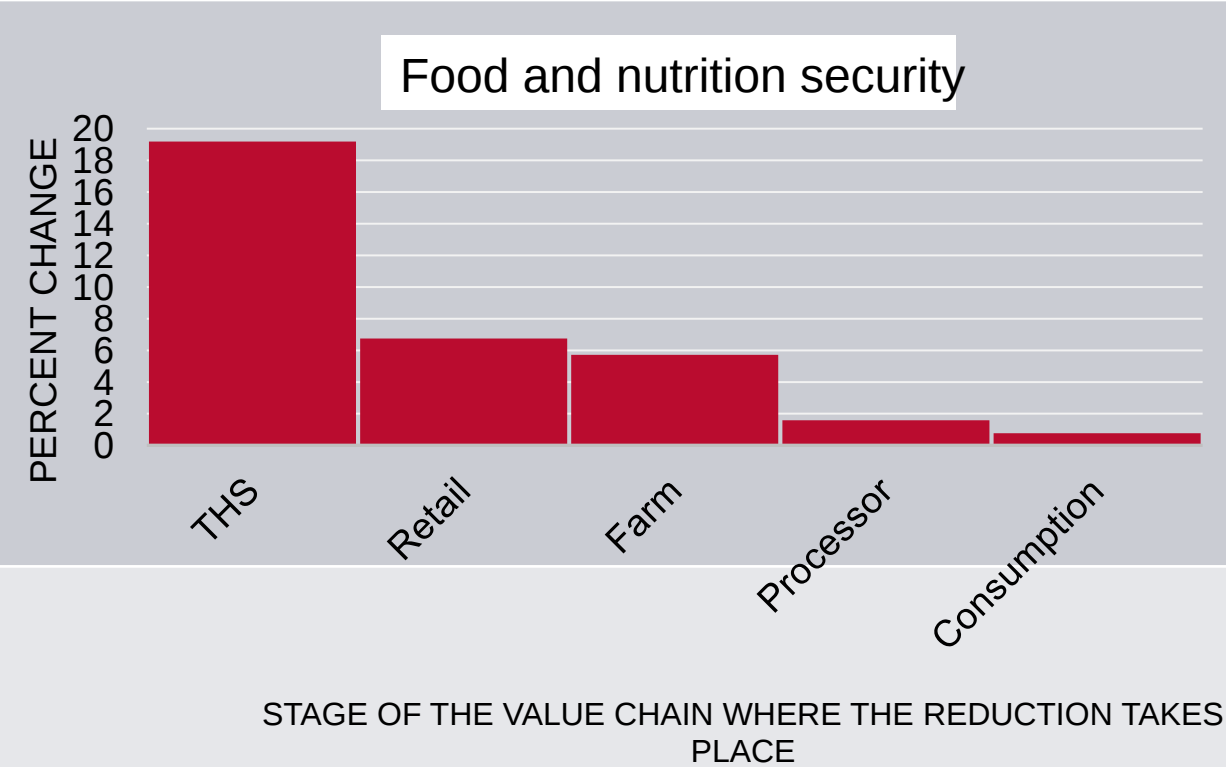
While the number of undernourished is increasing globally



NOTES: * Projected values for 2020 in the figure are illustrated by dotted lines. Shaded areas show lower and upper bounds of the estimated range.
SOURCE: FAO.

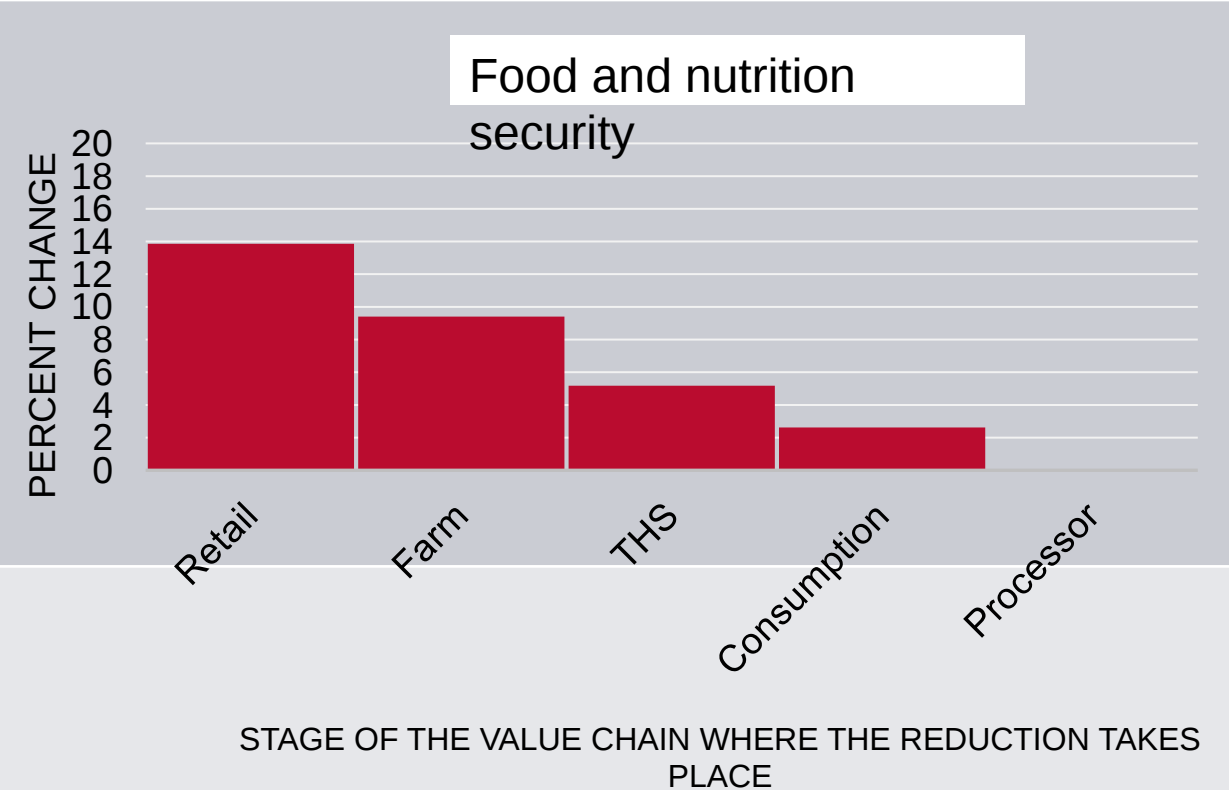
Analysis, strategy and interventions must be done at the country level

For tomatoes in Nigeria



In Nigeria, a 50% reduction of FLW at the **THS stage** will increase affordability of tomatoes by 20%.

For tomatoes in Rwanda



In Rwanda, a 50% reduction of FLW at the **retail and farm stages** will increase affordability of tomatoes by 23%.

USG Initiatives on Food Loss and Waste

- The [White House announced](#) USAID will invest \$60 million over five years in new research awards that will contribute critical solutions to reduce food loss and waste including funding for the following USAID Innovation Labs:
 - Food Systems for Nutrition, Tufts University
 - Horticulture, University California Davis
 - Current and Emerging Threats to Crops, University of Pennsylvania
 - One year Extension to the Post Harvest Loss Reduction, Kansas State University

Food Loss and Waste -continued

- The United States joined the “Food is Never Waste” coalition that was launched at the United Nations Food Systems Summit.
- USAID joined the Friends of Champions 12.3 network that is dedicated to Sustainable Development Goal 12.3: to cut food loss and waste in half by 2030.
- USAID established mission upstanders
- **USAID established the FLW COP , [FLW Factsheet](#) ; Interested?**
ReduceFLWCOP@usaid.gov

Interested in working with USAID on any topic?

Work With USAID

workwithusaid.org

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A message from USAID Administrator Samantha Power

KEY ELEMENTS

SUMMARY

- Read and follow the instructions for every section.
- Describe what you plan to do and how you will do it in your technical proposal.
- Include all major themes in the executive summary.
- Budget information—your cost proposal—may be required as a separate component. The solicitation may specify forms and formats to use.

HOW TO EXPLORE OPPORTUNITIES

- Learn about Agency priorities and strategies, and think about where your work aligns with USAID;
- Check the USAID Business Forecast for opportunities you should monitor;
- Research "rolling" funding opportunities;
- Track "open" opportunities.

The Partnerships Incubator is working with USAID headquarters and missions

Hi, I'm Zara. Welcome back to WorkwithUSAID.org.

Type here to search

30°F Partly sunny 4:02 PM 2/14/2022



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The U.S. Government's Global Hunger & Food Security Initiative

www.feedthefuture.gov

Thank you , Feel free to reach out with any question
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