Reducing Food Loss and Waste: Setting a Global Action Agenda

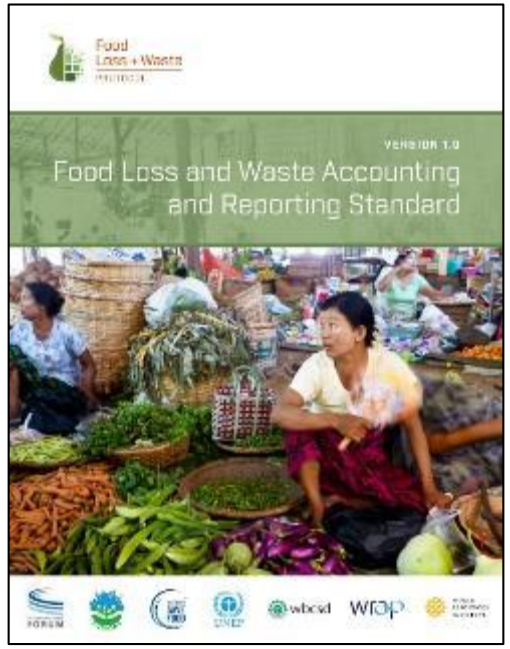
Brian Lipinski

World Resources Institute

WORLD RESOURCES INSTITUTE

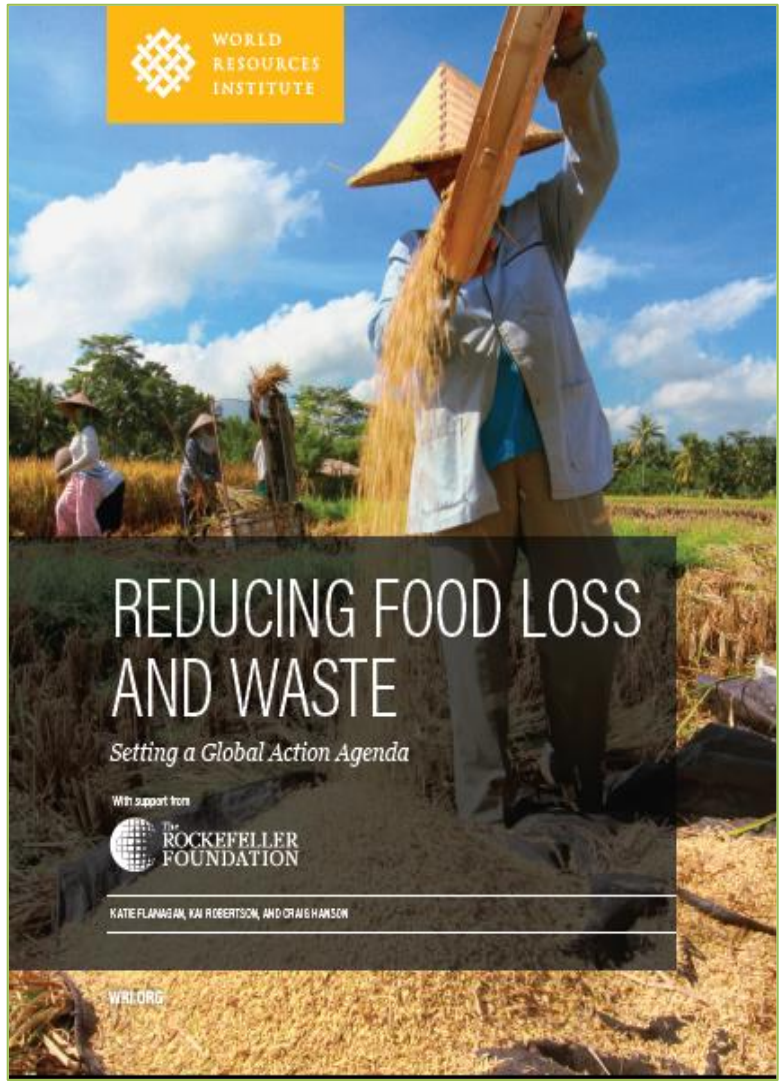
CHAMPIONS 12.3

ABOUT WORLD RESOURCES INSTITUTE



WRI is a leader on food systems and food loss and waste:

- Secretariat of **Food Loss & Waste Protocol** (FLW Protocol)
  - A multi-stakeholder partnership that developed the global *Food Loss and Waste Accounting and Reporting Standard*
  - The "FLW Standard" provides guidance on *what* to measure and *how* to measure and provides a consistent and transparent way to account for and report on the amount of food loss and waste
- Secretariat of **Champions 12.3**
  - A coalition of executives from the public and private sectors dedicated to inspiring ambition, mobilizing action, and accelerating progress toward achieving Sustainable Development Goal Target 12.3 (halving food loss and waste by 2030).
  - Catalyst for 10x20x30
- Author of leading **FLW publications**
  - *Reducing Food Loss and Waste: Setting a Global Action Agenda*
  - *Reducing Food Loss and Waste: Ten Interventions to Scale Impact*
  - Annual reports on global progress toward SDG Target 12.3


WORLD
RESOURCES
INSTITUTE
REDUCING FOOD LOSS
AND WASTE
Setting a Global Action Agenda
With support from
The
ROCKEFELLER
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KATIE FLANAGAN, KAI ROBERTSON, AND CRAIG HANSON
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REDUCING FOOD LOSS
AND WASTE
Ten Interventions to Scale Impact
ROCKEFELLER
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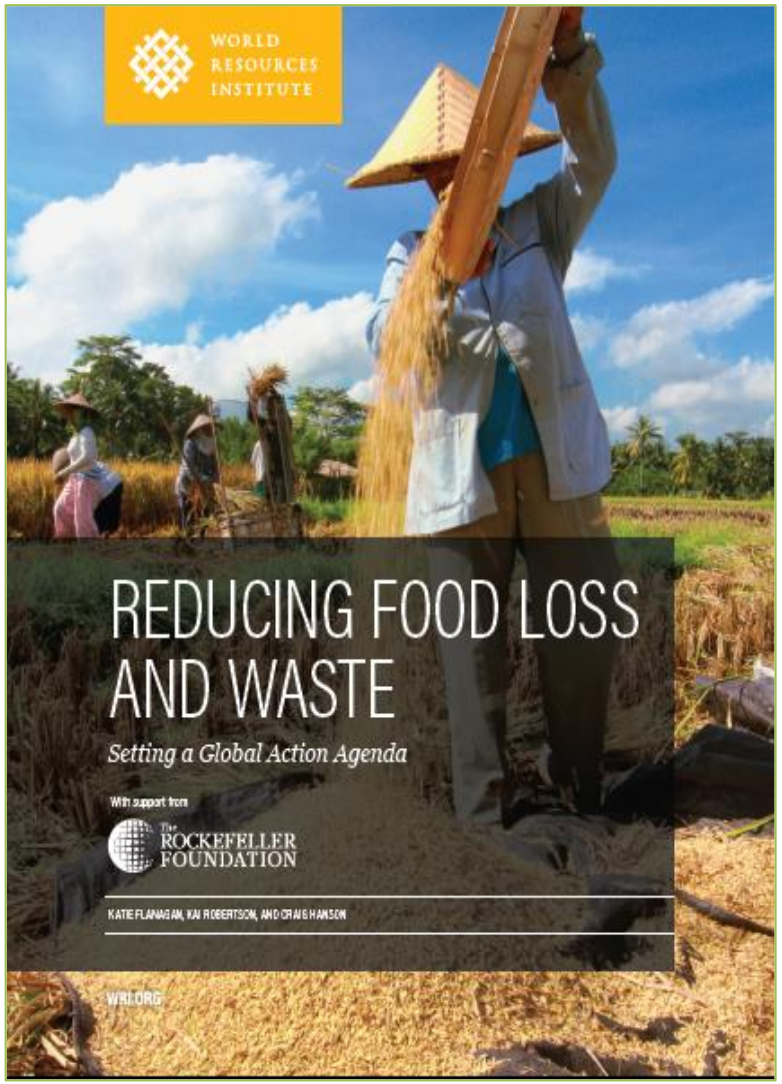
WHAT ARE THE BEST APPROACHES?

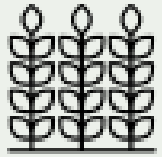
- There's no silver bullet for FLW prevention and reduction
- The most effective approach for your economy will depend on what you learn from gathering data, discussing with stakeholders, and from following APEC policies
- However, there are some common interventions across the food supply chain that tend to be effective
- On the next slide, I have an example of how these interventions look at ONLY the production stage of the supply chain
- You can find these interventions for each stage within the publication



EVERYONE HAS A PART TO PLAY

PRODUCTION → HANDLING AND STORAGE → PROCESSING AND PACKAGING → DISTRIBUTION AND MARKET → CONSUMPTION

Crop farmers

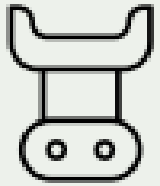


- Improve harvesting practices (e.g., ensure product is harvested at the right maturity and use appropriate harvesting equipment to maximize yield while minimizing crop damage).
- Improve skills or use tools to better schedule harvesting (including accessing better data on weather).
- Engage customers (e.g., wholesalers, retailers) to communicate implications of order changes.
- Engage customers to explore changes in quality specifications to enable more of what is harvested to be sold.
- Identify financially viable alternative markets or use for crops otherwise left in the field (e.g., value-added processing, donation, secondary surplus markets).

Fishers

- Use fishing gear designed for target species to reduce bycatch.
- Identify (or create) markets for unavoidable bycatch (e.g., animal feed or processed products).

Ranchers and animal farmers



- Build capacity in practices to reduce losses (e.g., reduce milk spills, minimize contamination).
- Implement best practices in animal welfare to avoid stress and injuries that can reduce the shelf life of meat from animals.

Source: Reducing Food Loss and Waste: Setting a Global Action Agenda

TEN INTERVENTIONS TO SCALE IMPACT

- Although many individual actors throughout the supply chain must take action, there are some consistent interventions that apply across all economies
- These interventions help to set the stage for long-term action, as opposed to short-term gains
- Some will be more relevant for certain circumstances – APEC is a large region with a vast array of economies – but all should have some applicability to your own economy

TEN INTERVENTIONS TO SCALE IMPACT

1. **Develop national strategies for reducing food loss and waste.**

DEVELOPING NATIONAL STRATEGIES SHOULD BE BASED ON TARGET-MEASURE-ACT APPROACH

TARGET

Adopt 12.3 in own economy

MEASURE

Measure and share results publicly

ACT

Take action (policies, programs, innovations, investments)

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3. **Launch a “10 × 20 × 30” initiative to get supply chains working on reducing food loss and waste.**

10X20X30

WHAT IS THE VISION?

Massively increase private sector contribution to the global goal of reducing food loss and waste by 50% by 2030 by catalyzing efforts “up” the supply chain

WHAT IS IT?

Initiative wherein at least **10** of the world’s largest food retailers and providers follow the “Target-Measure-Act” approach and each engages **20** of their priority suppliers to do the same—thereby halving their food loss and waste by 20**30**. Inspired by Tesco’s relationship with dozens of their own suppliers.

WHO IS INVOLVED?

AEON, Ahold Delhaize, Carrefour, IKEA Food, Kroger, METRO AG, Migros, Pick n Pay, The Savola Group, Sodexo, Tesco, Walmart

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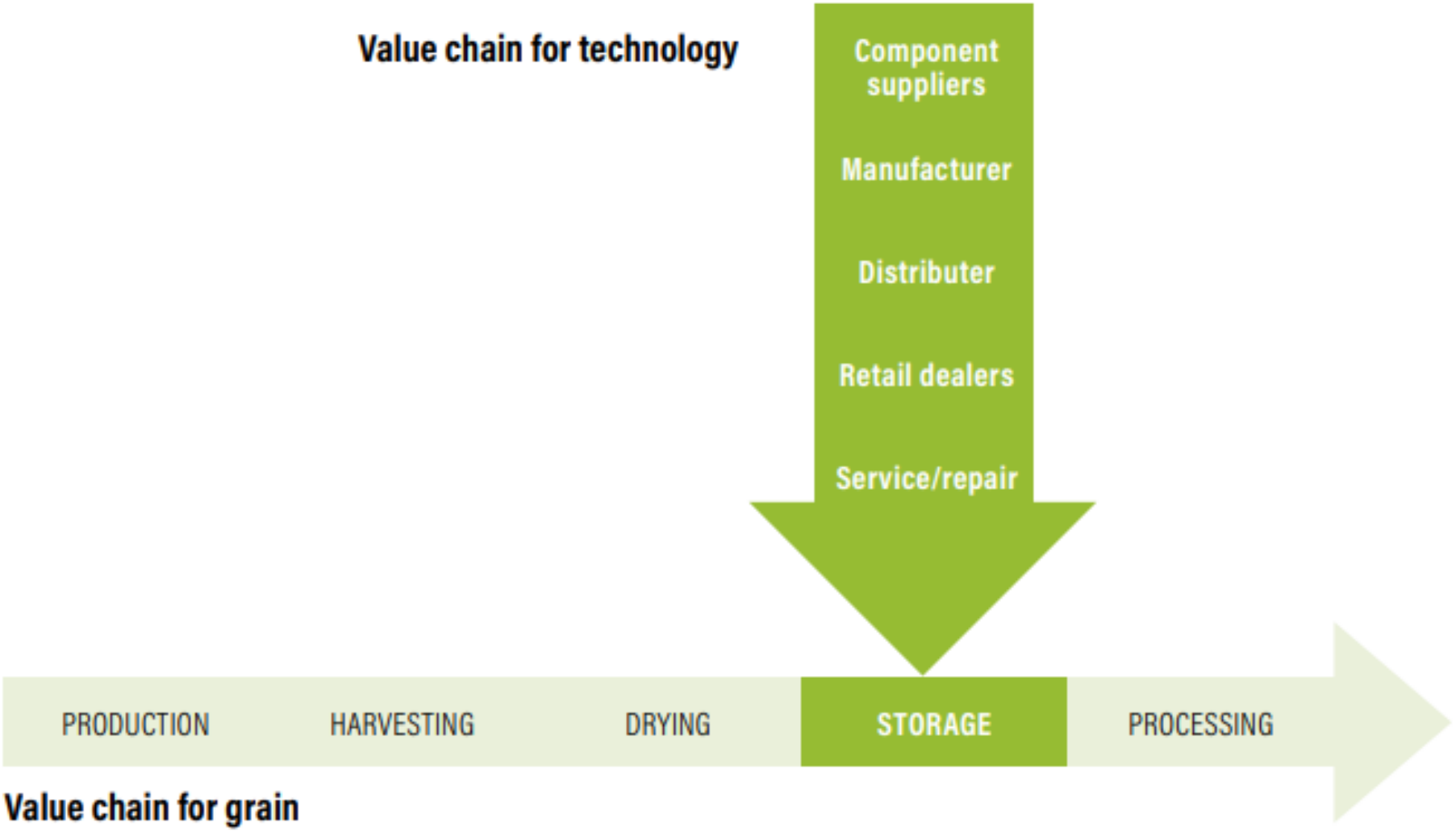
4. **Invigorate efforts to strengthen value chains to reduce smallholder losses.**

EXAMPLE: STRENGTHENING VALUE CHAINS



Source: Sonka et al. (2018a).

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5. **Launch a “decade of storage solutions.”**

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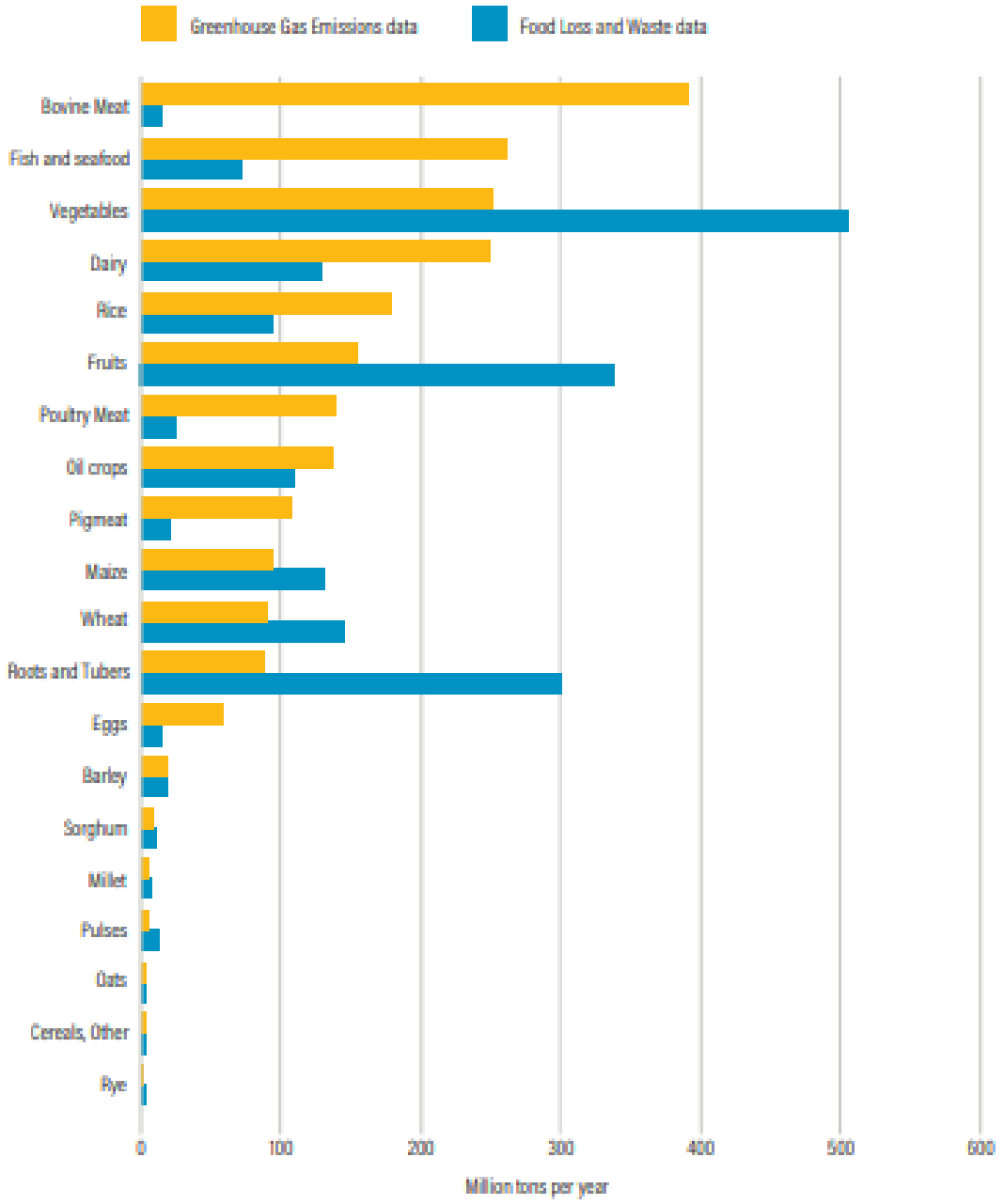
6. Shift social norms to make wasting food socially unacceptable.
7. **Go after the hotspots of food loss and waste-related greenhouse gas emissions.**

SOME COMMODITIES HAVE A HIGHER GHG FOOTPRINT THAN OTHERS



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9. Overcome the food loss and waste data deficit.
10. **Advance the research agenda on food loss and waste.**

ADDITIONAL SPECIFIC RECOMMENDATIONS

- Bring efficiency to the forefront.
- Make use of existing partnerships and business relationships where possible.
- Strengthen data-gathering efforts, using both new and existing sources.

THANK YOU!

- Contact: blipinski@wri.org