



FEED THE FUTURE

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

Food Systems for Nutrition Innovation Lab

SCOPING EXERCISES 2022 SUMMARY



Scan to learn more!

SCOPING OF "ON-THE-SHELF" INNOVATIONS

Who and What

50+

experts (from over 20 consortium partners, Tufts faculty, and other Innovation Labs) came together virtually to conduct these scoping exercises. The 5 thematic areas that cut across the food systems include:

1. Agriculture Production, Harvest, and Post-Harvest Losses
2. Post-Farmgate Food Processing, Packaging, and Storage
3. Infrastructure, Transport, and Markets
4. Food Environment, Consumer Choice & Retail Promotion
5. Nutrition Metrics

Process

1

Identification, census & compilation of 'on-the-shelf' innovations for prioritization of existing food system innovations that has potential or has not yet been adopted at scale

276 innovations focusing on nutrient dense foods, food loss and waste and food safety

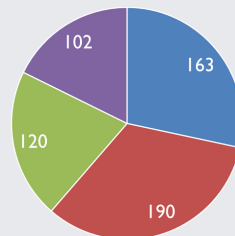
2

Prioritization of innovations using adapted USAID Agricultural Scalability Tool

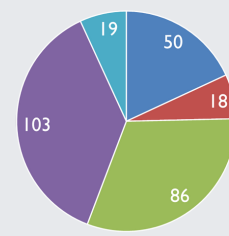
- 53 criteria (mix of binary and Likert scale scores)
- Aggregate scores generated from the Likert scale scores (unweighted totals) for 5 sections

3

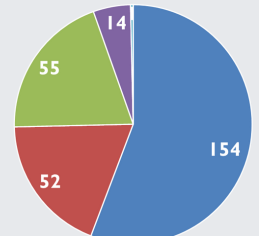
Internal & external consultation and feedback on scoping outputs by consortium partners, national and regional stakeholders



■ South Asia and South East Asia
■ Sub Saharan Africa
■ Latin America
■ Middle East and North Africa

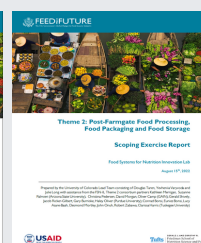
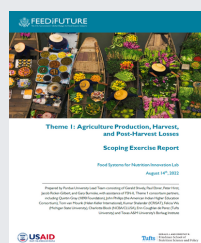


■ Proof of Concept
■ Transition to Scale
■ Sustained Scale



■ Products
■ Processes
■ Practices
■ Metrics
■ Products & Practices

Prioritization Tool	Illustrative Innovation 1: Hermetic Storage Technologies	Illustrative Innovation 2: Chimney Solar Dryer
A. Issue the innovation addresses (4 criteria)	4.0	2.0
B. Credibility & Observability (8 criteria)	4.5	3.8
C. Requirements for adoption: Individuals and Institutions (18 criteria)	3.8	2.3
D. Benefits and Risks to Adopters (11 criteria)	3.27	2.8
E. Enabling environment for commercialization (12 criteria)	2.46	2.4



STEP 4: Bundling "On the Shelf Innovations" - A Thought Experiment

Illustration 1: Bundling Innovations to improve shelf-life of fruits & vegetables

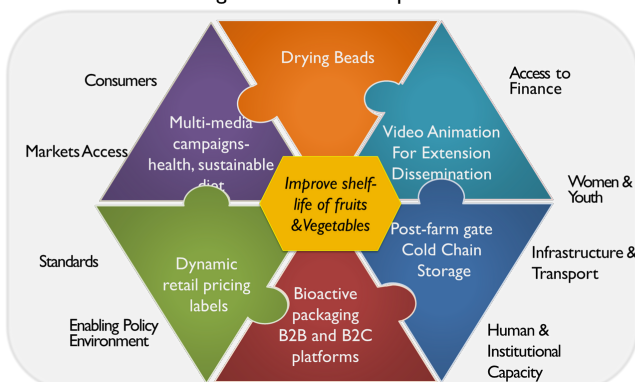
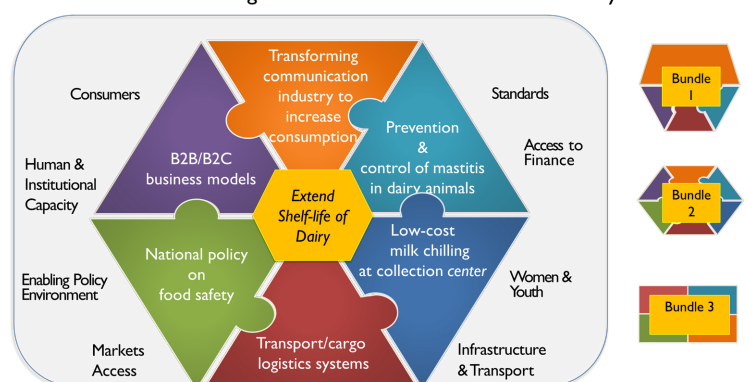


Illustration 2: Bundling Innovations to extend shelf-life of dairy



Figures adapted from: C.B. Barrett et. al., Socio-Technical Innovation Bundles for Agri-Food Systems Transformation, Sustainable Development Goals Series

This infographic is made possible by the generous support of the American people through the United States Agency for International Development (USAID). The contents are the responsibility of the Food Systems for Nutrition Innovation Lab and do not necessarily reflect the views of USAID or the United States Government.