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Waste and Spoilage in the Food Chain Initiative Partners Workshop

*Learning Template –
ADM Institute for the Prevention of Postharvest Loss*



14 - 15 April 2014 • Nairobi, Kenya



Overview

Overview / Waste & Spoilage in the Food Chain
Initiative Issues of Focus

Early Learning

Next Steps

Opportunities to Reduce Post - Harvest Loss (PHL) and
Achieve Impact

Waste & Spoilage in the Food Chain

Initiative Issues of Focus

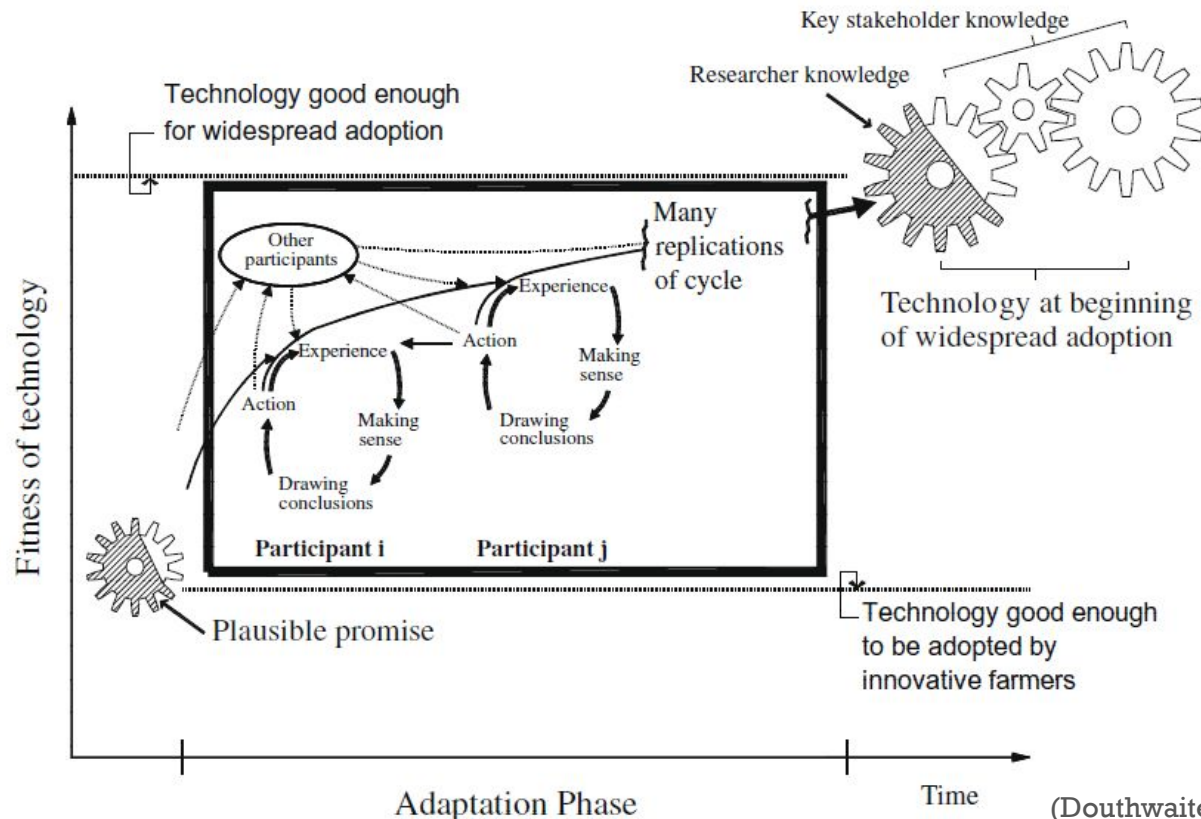
Learning Questions (**Asia, Latin America focus**)

- **Lessons learned and what's worked well** (re. the **highest potential intervention stages**) along the food supply chain in various countries for reducing waste and spoilage? How do country-specific (Asia: India, Philippines, etc. and Latin America: Brazil, etc.) intervention opportunities vary by specific crops (grains, cereals, roots, tubers, cereals, fruits and vegetables) and geographic area (areas that have rapidly accelerating infrastructure and market access or more remote areas)?
- What promising solutions exist and what needs to happen to **scale the promising solutions** for food storage and preservation at the post-harvest and processing stages of the food supply chain?
- What **issues, challenges, skills and capabilities** do/should **small holder farmers (SHFs), especially female SHFs**, prioritize in order to reduce waste and spoilage, increase their incomes and off-farming livelihood options?

Early Learning (1)

How Successful Interventions Occur

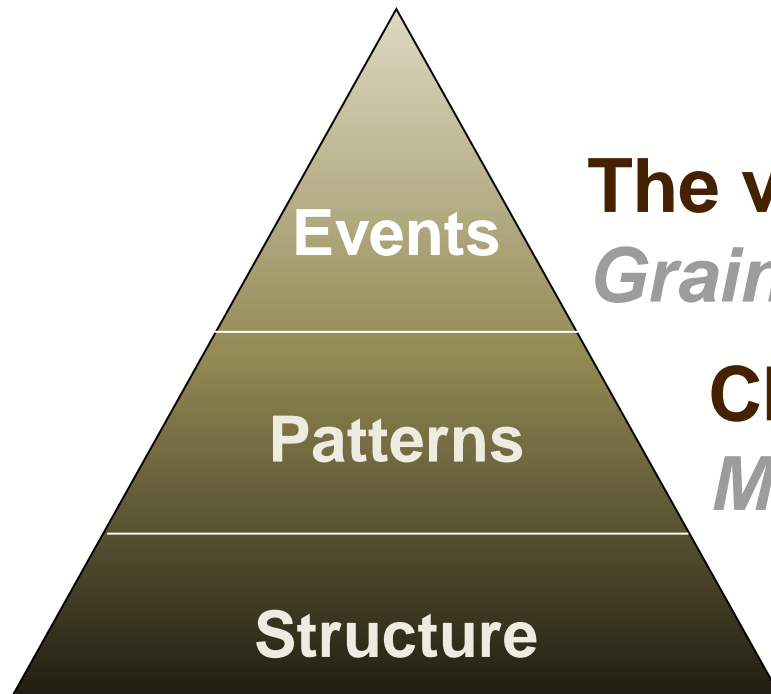
- Insights from Innovation
 - Knowledge spiral process- **Tacit & Explicit Knowledge**
 - Learning selection process



Early Learning (2)

How Successful Interventions Occur (cont'd)

- Systems Perspectives



The visible outcomes:

Grain on side of the road

Changes over time:

Move to double cropping

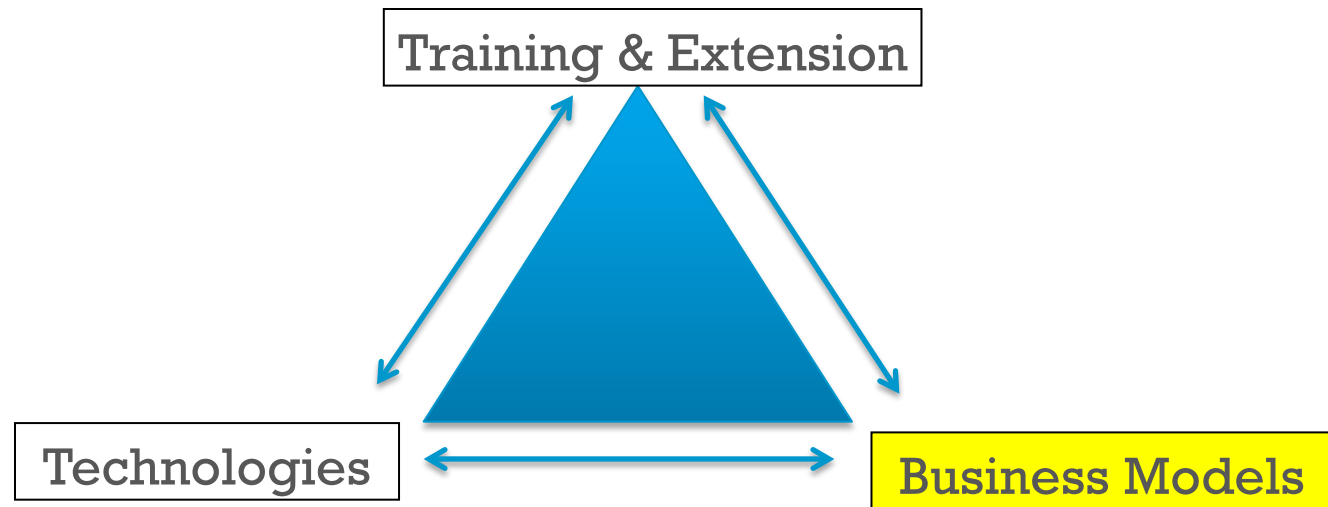
Determines patterns:

Government loan policy

Early Learning (3)

How Successful Interventions Occur (cont'd)

- Technology Services
 - Whole product model
 - Technology services provision



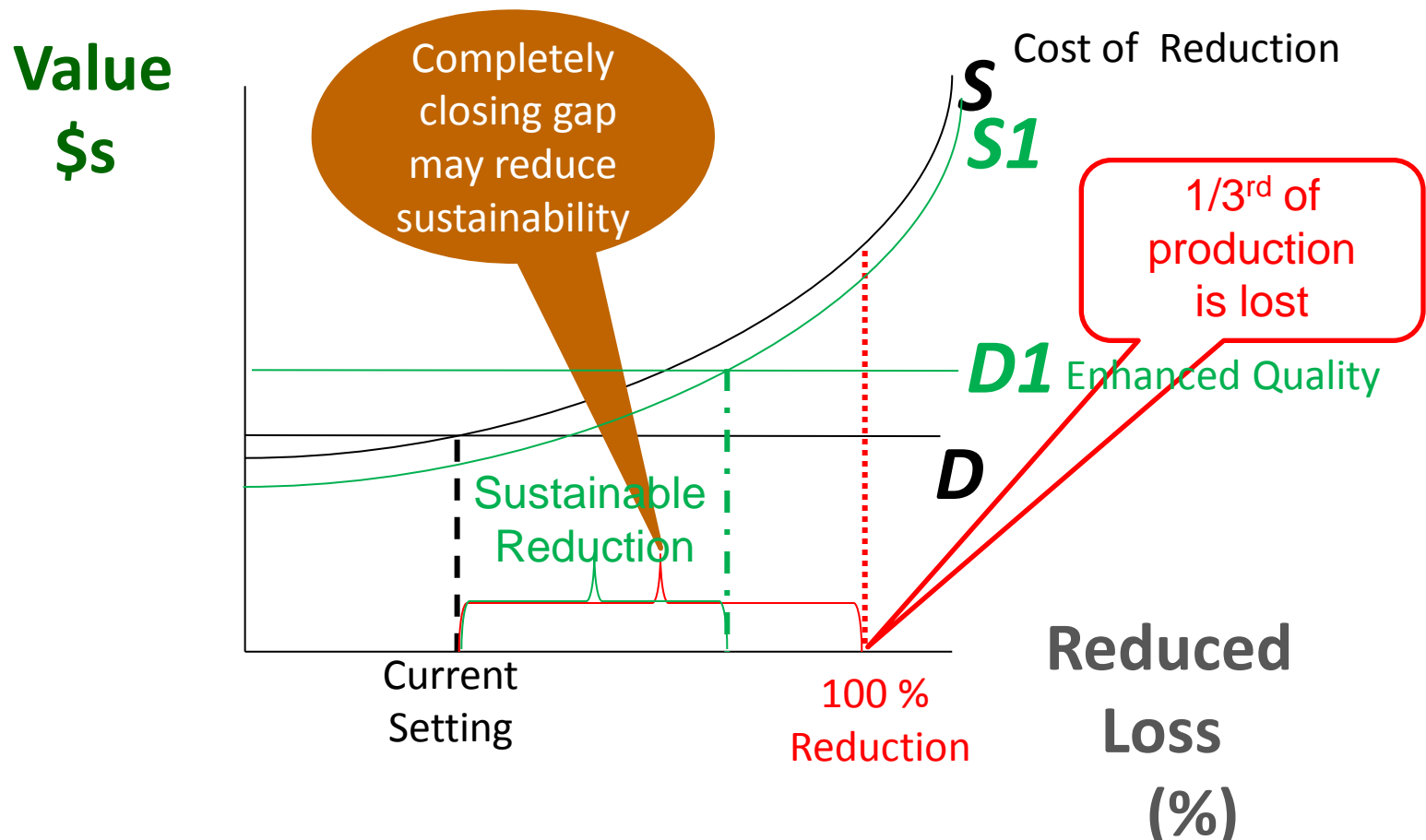
(Schmidley, 2011)

- Supply chain for intervention

Early Learning (4)

Measurement and Economics (cont'd)

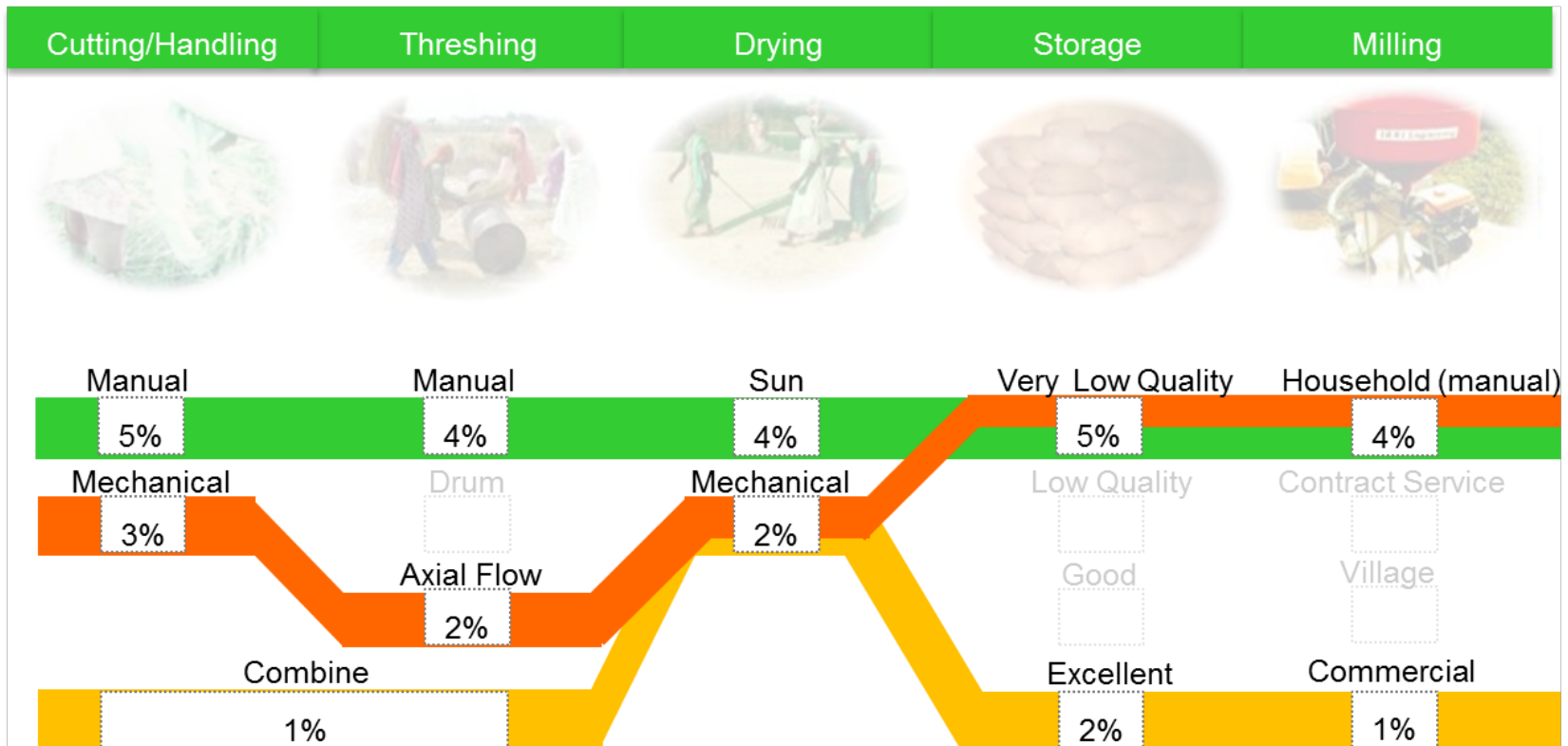
- Economics
 - Sustainable loss reduction



Early Learning (5)

Measurement and Economics

- Practice-Based Measurement



Next Steps

Case Study Research:

- 4-8 case studies focused on **HOW long term** success occurs

Expert Panel:

- Response to the approach; provide feedback & suggestions
- Respond to initial assessment; review survey questionnaire
- Critique preliminary findings and recommendations

Next Steps (2)

Network Survey:

- To 80-100 colleagues who are connected with ADMI
- Provide specific feedback and suggestion to key issues, individuals, and reports that should be pursued by the project team

Literature Review:

- Based on the three questions, what can we learn from the literature?
- Examples for case studies

Insights to Reduce PHL

1

Recognize that technology selected doesn't determine success; How it is implemented generally does

2

Create and employ systems-based assessment methods

3

Establish and test protocols to support locally-based provision of technology services

Insights to Reduce PHL (2)

4

Sustained progress unlikely – without:

- * reliable, low cost measures
- * which can inform & drive action

5

Develop and implement economically-
Informed knowledge base of expected &
actual net benefits

Questions?

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