



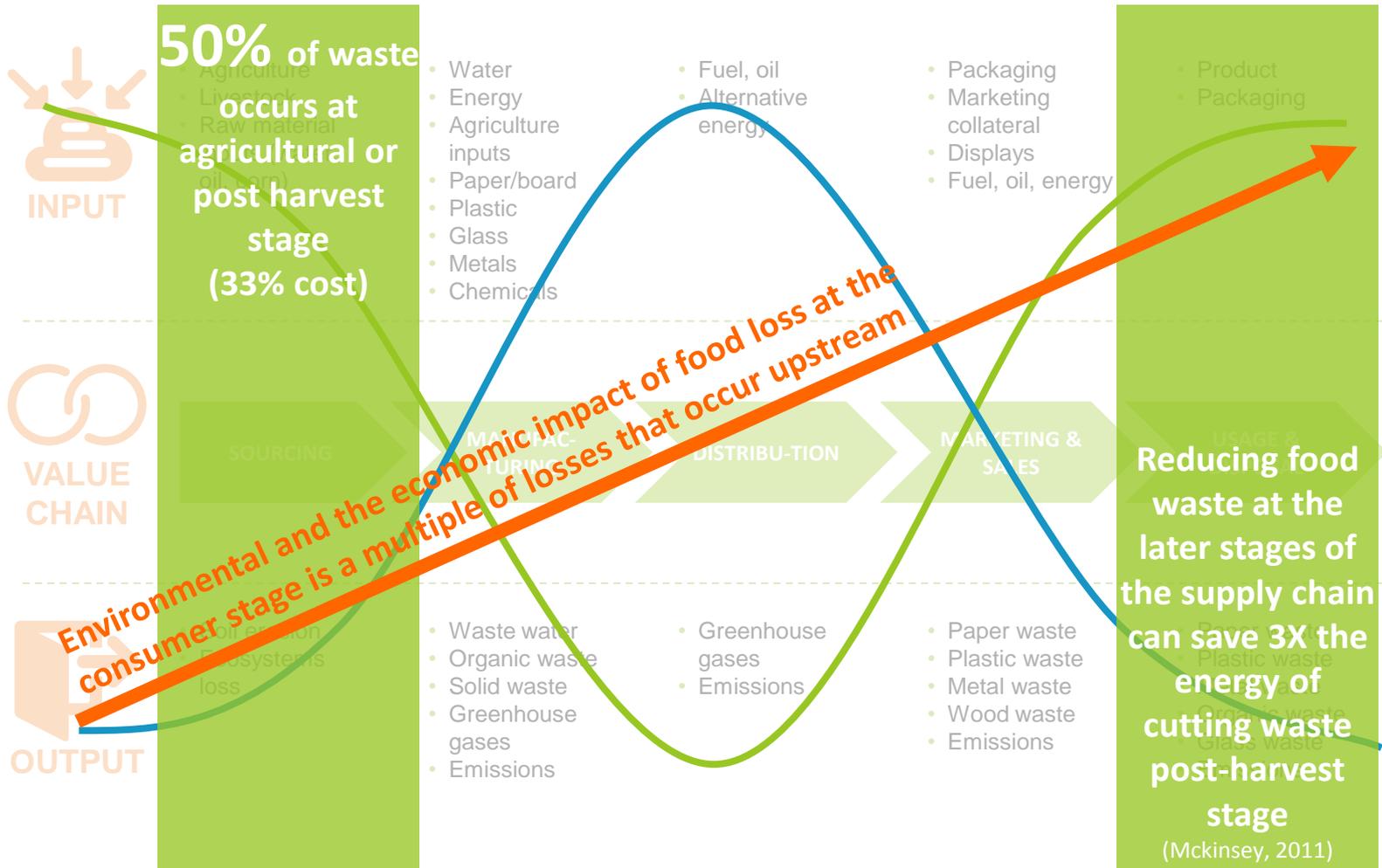
Food Energy Water

Food Waste Industry insights

Research Project Overview
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Environmental footprint of the value chain





Water and energy embedded in waste in SA?

Ballpark figures

Energy cost of R1.8 billion

Energy embedded in food losses and food waste
Annual losses sufficient to power JHB-sized city
for four months

Water cost of R 260 million to over R1 billion

Blue water embedded in food losses and food waste: Around 600,000 Olympic-sized swimming pools or one fifth of South Africa's total water extraction

The volume of food waste each year would fill the Greenpoint stadium more than 5 times over.



Snapshot of WWF work

Ballpark figures



Scoping of waste in the value chain in partnership with Woolworths

High level hotspot investigation from post harvest to post consumer

Mapping food waste & losses – pilot project testing the WRI Food Loss and Waste protocol

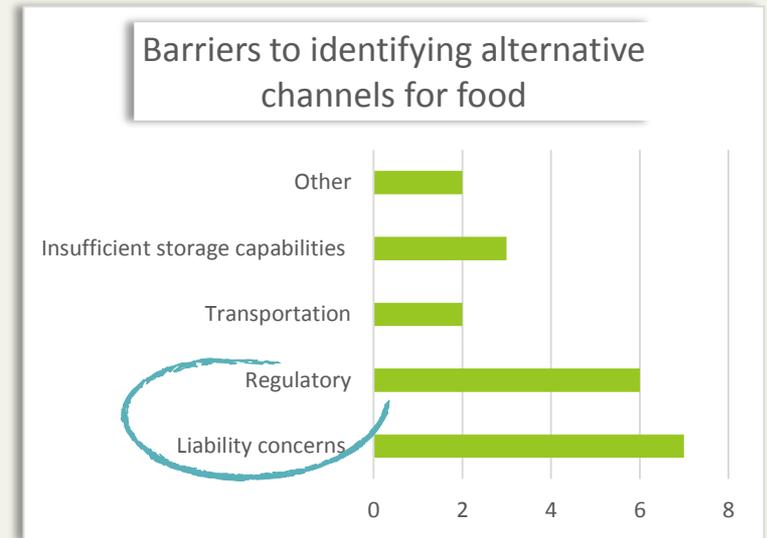
To test and adapt a methodology for mapping food losses and waste.

Pilot with Woolworths and spinach selected because of its multiple uses and risk of waste throughout the chain.

The 2030 Food Scenarios

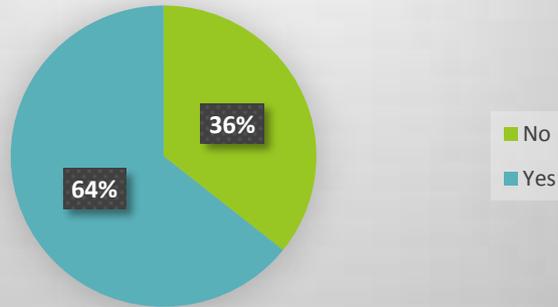
The transformative scenario approach focused on the food system as a whole. For more information visit WWF's [Food Systems](#) or the [Future of Food](#)



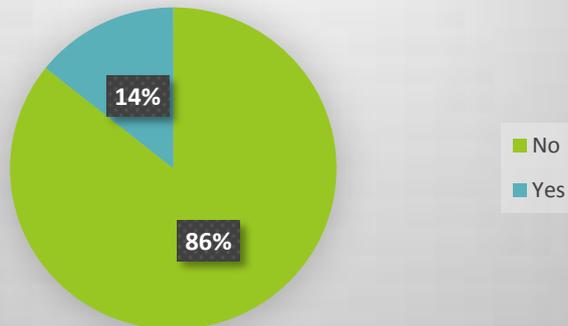


- Difficult to get respondents but...All firms seem to indicate that they **have measured or estimated food waste**
- Think waste is important but ...**not necessarily aligned with internal policies** and capacity, few companies actually hire someone to address food waste
- The results here suggest that 1/3 of companies surveyed potentially still discard food based on the how it looks aesthetically with 2/3's **actively looking to decrease this**
- Companies often don't donate food due to **liability concern**

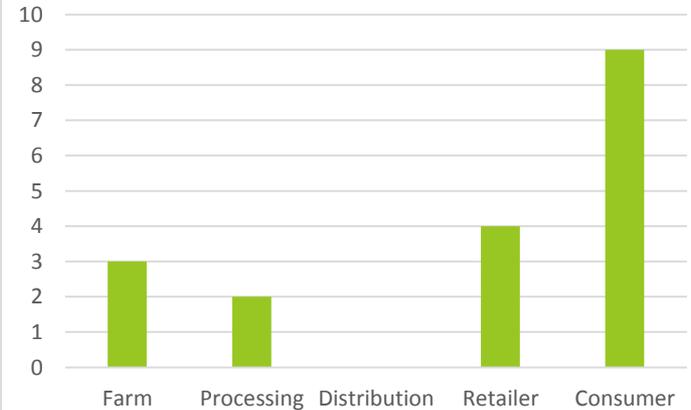
Companies that actively find markets for safe surplus food



Are you raising consumers' awareness on how to better use packaging?



Where in the companies opinion is food being wasted in SA



- 65% say that not all surplus food makes its way to alternative markets due **to liability or regulatory concerns**
- 65% invest in **packaging innovations** to reduce spoilage
- **Only 2 companies** thought their sector was responsible for waste, most thought customers but 86% **do not make any effort** to waste reduction efforts customers
- Issue of costs/benefit analysis...the cost of this is quite substantial, but benefit is limited in terms of profits? **Social vs economic responsibility**

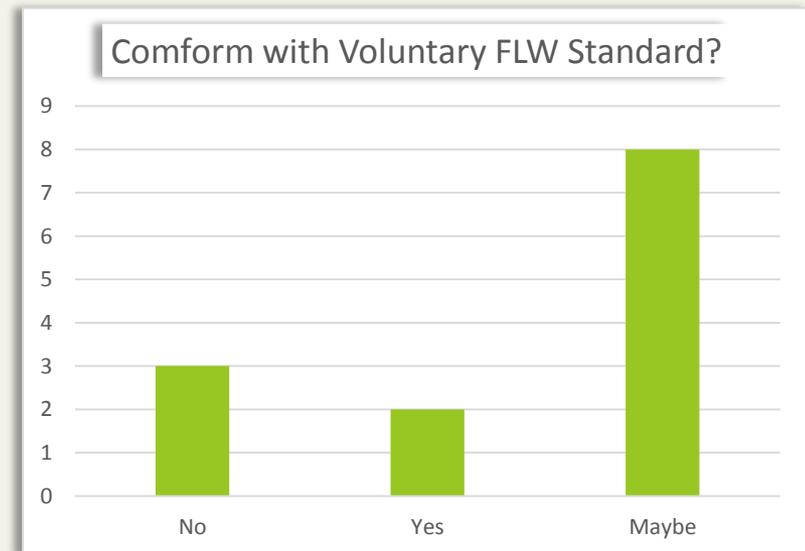


What percentage of the food you produce/use/sell does not reach the consumer due to food loss arising in the supply chain?

All respondents said that it was **less than 5%**

Gaps

- Good consumer focus but not sufficient clarity on issues on **other earlier stages** in the food supply chain
- **Data** remains a significant challenge – percentages only no volumes and certainly no category breakdowns
- **Lack of transparency** must be addressed. Until information is made publicly available, very difficult to know exactly **where the problem is and how to address it**. Even when information is available, it is **difficult to cross reference** to check for accuracy.





Thank You