

# Tackling Household Food Waste with Behavioural Science

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# Household Food Waste is a Huge and Growing Problem



# **Tackling Household Food Waste is Complicated**



# **And Widely Misunderstood**

VERSCHWENDUNG VON LEBENSMITTELN

ÉLELMISZER – PAZARLÁST

**VOEDSELVERSPILLING** 

**MAISTO ATLIEKAS** 

IL-#ELA TAL-IKEL

TOIDUJÄÄTMETE

RUOKAHÄVIKKIÄ

PĀRTIKAS ATKRITUMI

ΤΗ ΣΠΑΤΑΛΗ ΤΡΟΦΙΜΩΝ

**DESPERDÍCIO ALIMENTAR** 

70% of 'Food Waste' is Still Edible!

**DESPERDICIO DE ALIMENTOS** 

ХРАНИТЕЛНИТЕ ОТПАДЪЦИ

**GASPILLAGE ALIMENTAIRE** 

POTRAVINOVÉHO ODPADU

LIVSMEDELSAVFALL

**MADSPILD** 

**OTPAD OD HRANE** 

**ODPADNE HRANE** 

RISIPA DE ALIMENTE

PLYTVANIE POTRAVINAMI

MARNOTRAWIENIE ŻYWNOŚCI

https://www.wastemanaged.co.uk/food-waste-facts-statistics/

# **And Inherently Unappealing**









**Low Priority** 

Invisible Consequence-free Easy

**Private** 

Hidden Unobserved Unregulated

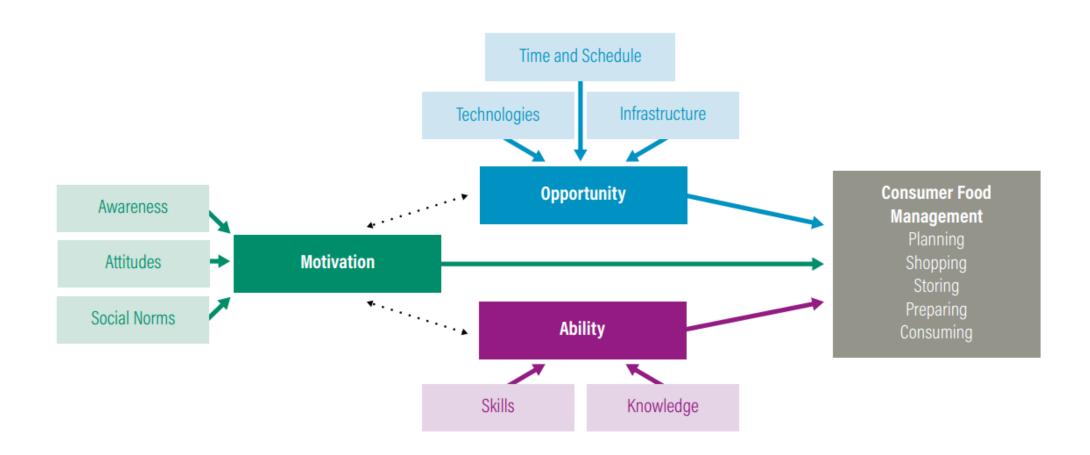
#### Frugal

Ungenerous Unfortunate Mean

#### **Un-aspirational**

Ugly Uninspiring Unattractive

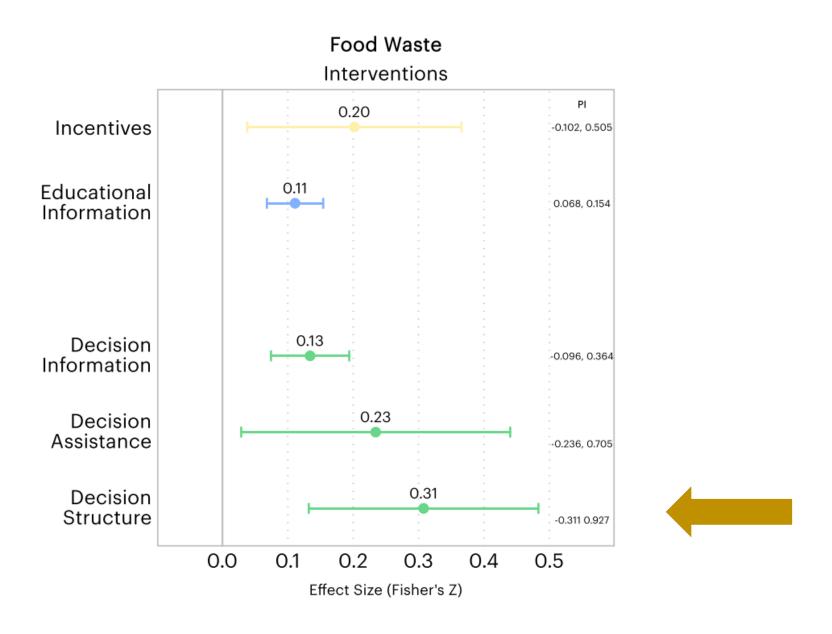
# So, How Do We Address This Kind of Problem?



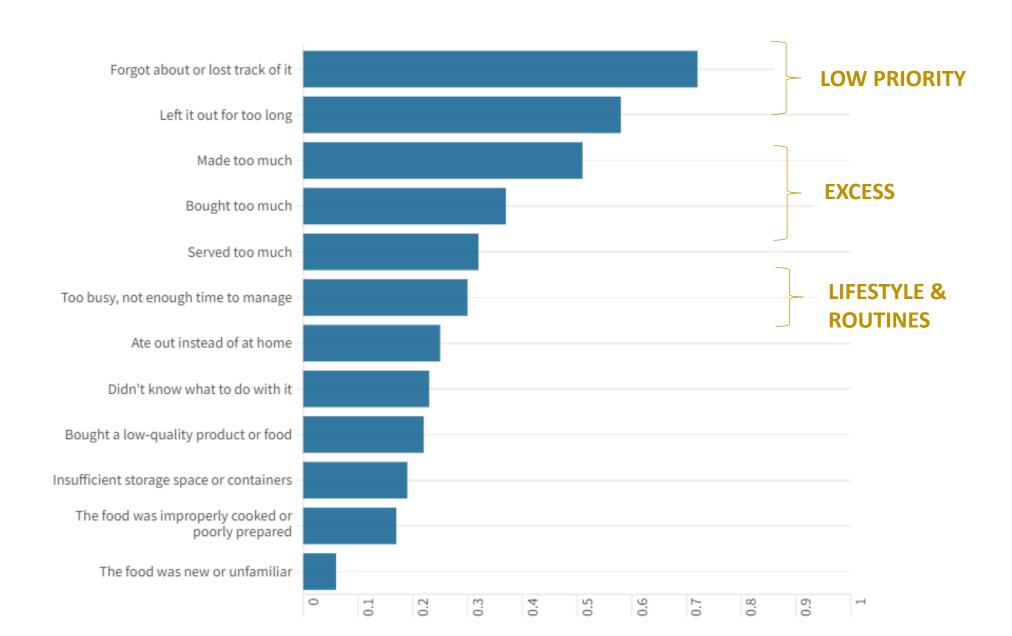
### Efforts Have Often Focused on 'Motivation'



# But, We Really Need to Focus on Opportunity and Ability



# To Address the Leading Causes of Food Waste



# **Make Low Priority Behaviours Visible and Convenient**



Forgot or Lost Track of Food at Home

Left Food Out too Long (to Use as Leftovers)







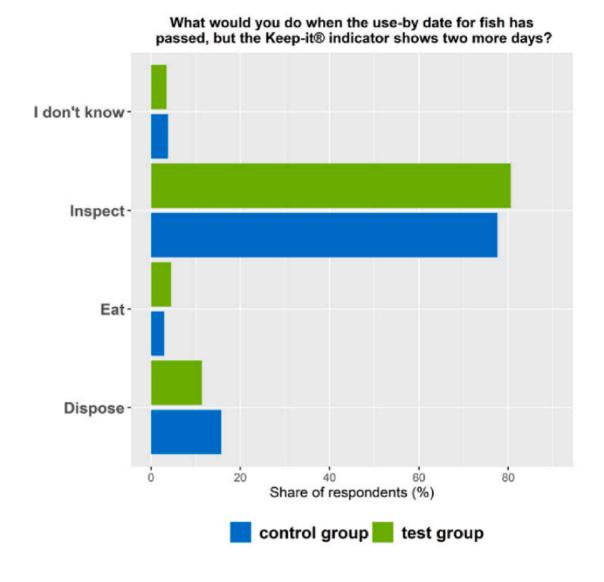




## **Behavioural Solutions: The Evidence**







# **Address Excess by Changing Incentives and Defaults**

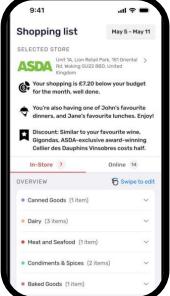


Made Too Much

Bought Too Much

Served Too Much













# **Behavioural Solutions: The Evidence**





# **Anticipate or Respond to Busy Lifestyles**



Too Busy

Not Enough Time

Ate Out













# **Behavioural Solutions: The Evidence**

#### Consider the following two shopping routines for purchasing your groceries next week:

		Shopping Routine A	Shopping Routine B	
Number of Shopping Trips	<b>!!</b>	3 trips	5 trips	
Likelihood of an Extra Shopping Trip		Not Very Likely (25% chance)	Very Likely (75% chance)	
Amount of Food Eaten and Uneaten		70% of food eaten 30% of food uneaten	80% of food eaten 20% of food uneaten	
Dollars Spent (The type and amount of food you buy stays the same)		\$ 100	\$ 100	



Average amount you would have to pay someone to increase their shopping frequency by +1 trip per week



Average waste reduction required to increase shopping frequency by +1 trip per week

Which of the two shopping routines would you prefer?

# State-of-Play on Behavioural Solutions to Reduce Household Food Waste

- A mixed bag!
- Many solutions exist, but far more good quality evaluations are required

#### We need more:

- Consistent and objective methods to measure food waste
- Research in household settings
- Trials of novel 'Opportunity' and 'Ability' solutions
- Replications of trials across contexts



# All Actors Have a Role To Play

	PLANNING	SHOPPING	STORING	PREPARING	CONSUMING	DISCARDING
Citizens						
Retailers						
Manufacturers						
Municipalities						
Media						

# Reframing 'Waste' is a Common Starting Point

**Uneaten Food** 

Extra Food

**Surplus Food** 

Regenerated Meals

Spare Food Repurposed Meals

**Legacy Meals** 

**Excess food** 

Unused Food Saved Food

**Upcycled Food** 

Rescued food

