



Primary Production Food Loss and Waste

Ireland

Dr Jennifer Attard *CircBio Research Group*

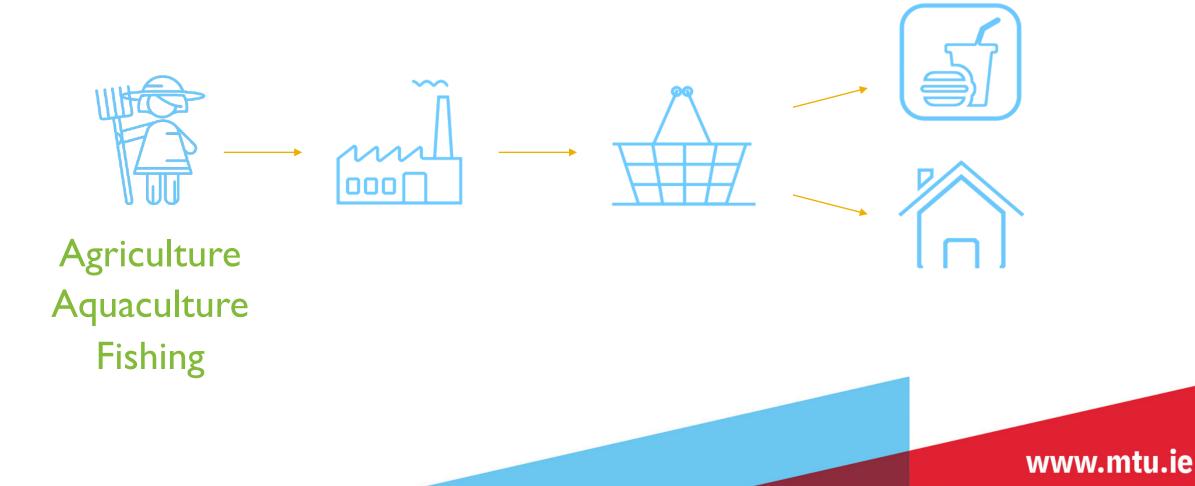
Dr Tracey O'Connor, Dr Rosanna Kleemann





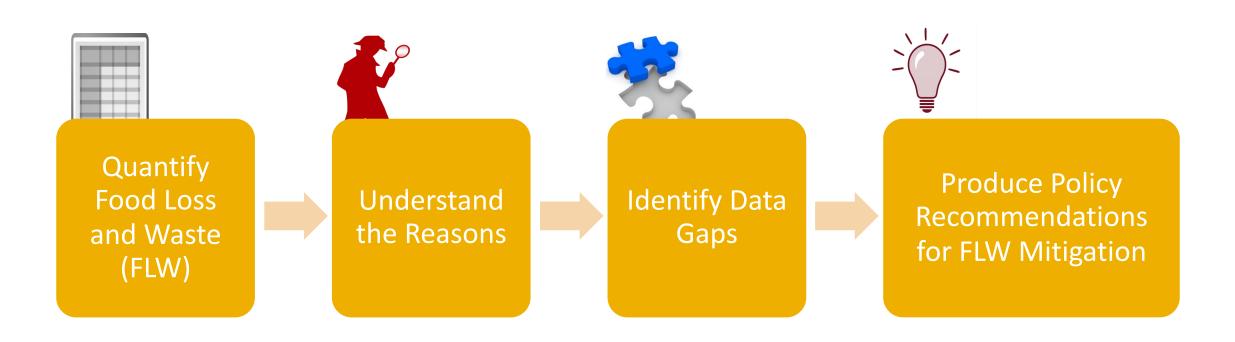
The Journey of Food

From Farm to Fork



Project Aims





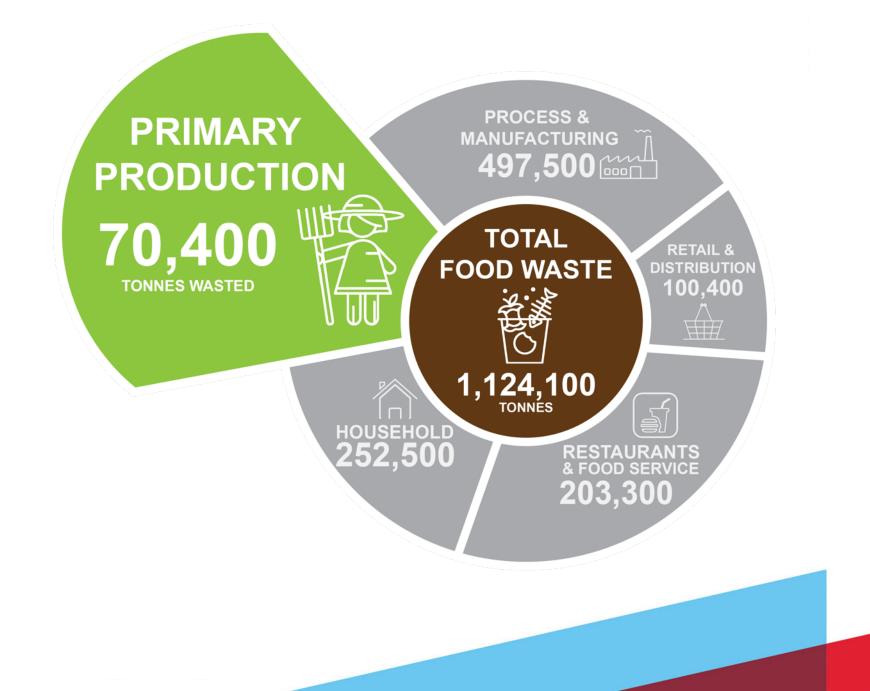


What sectors did we look at?

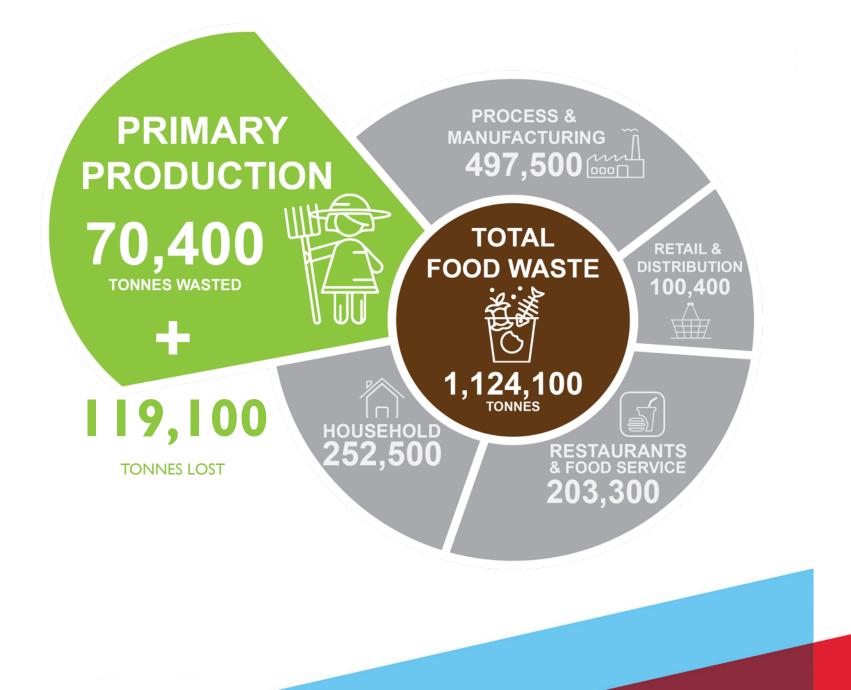


Production Environment	Production sector	Product category	Product types	
Land	Animal husbandry	meat	beef, pork, lamb/mutton, poultry (chicken, turkey, duck)	
		non-meat animal products	dairy (cow's milk), eggs, honey	
	Horticulture	vegetables	potatoes, mushrooms, carrot, parsnip, onion, tomato, lettuce, cabbage, broccoli, cauliflower, swedes, brussels sprouts	
		fruit	apple, strawberry, currant, raspberries	
	Tillage	grains and legumes	barley, rapeseed, peas	
Aquatic	Aquaculture	farmed shellfish	blue mussel, pacific oyster	
	Aquaculture	farmed finfish	atlantic salmon	
	Fishing	wild shellfish	brown crab, blue mussel, Nephrops, scallop, squid & octopus, whelk	
		wild finfish	angler/monkfish, cod, haddock, hake, herring, horse mackerel, ling, mackerel, megrim, sprat, ray, whiting, witch flounder	

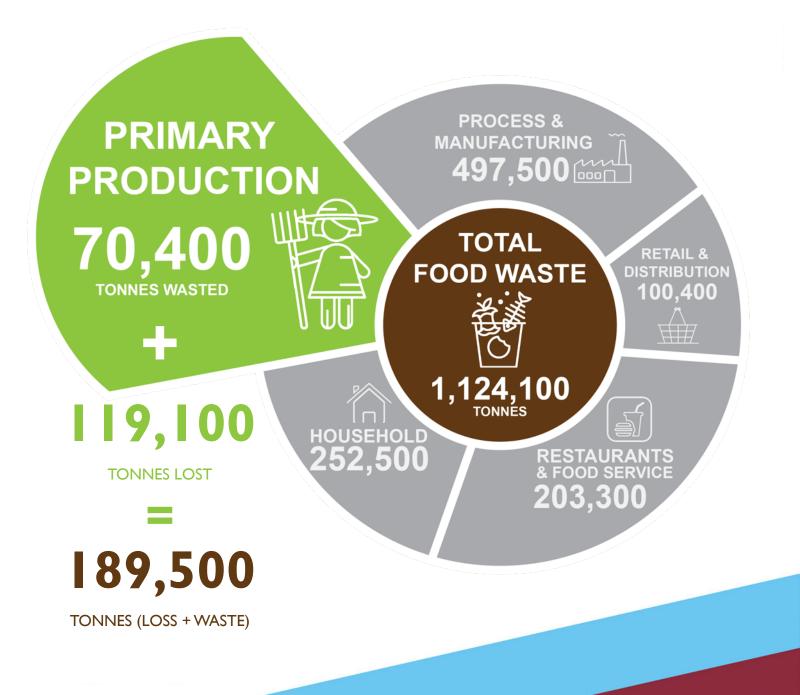






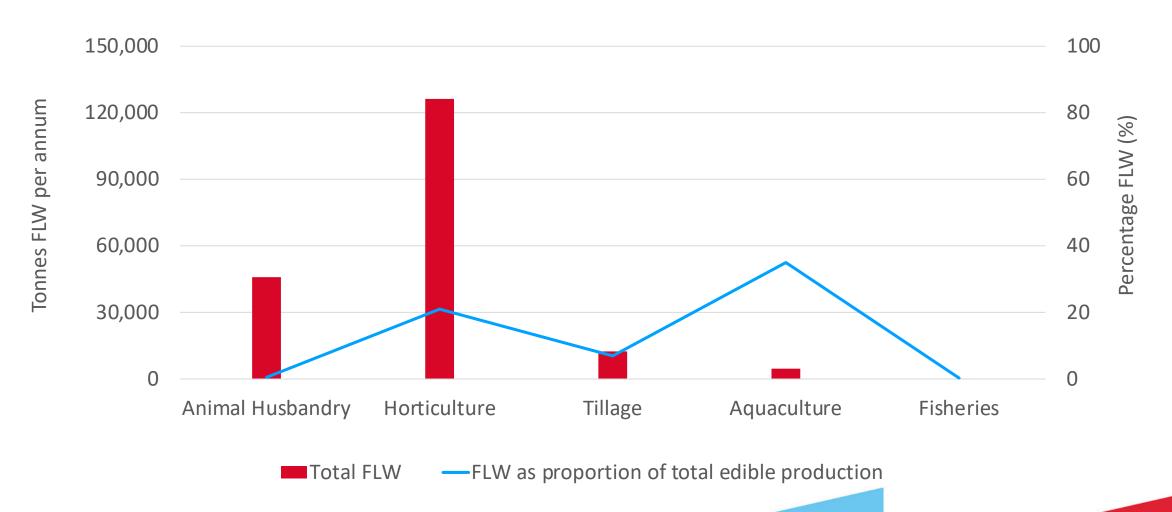






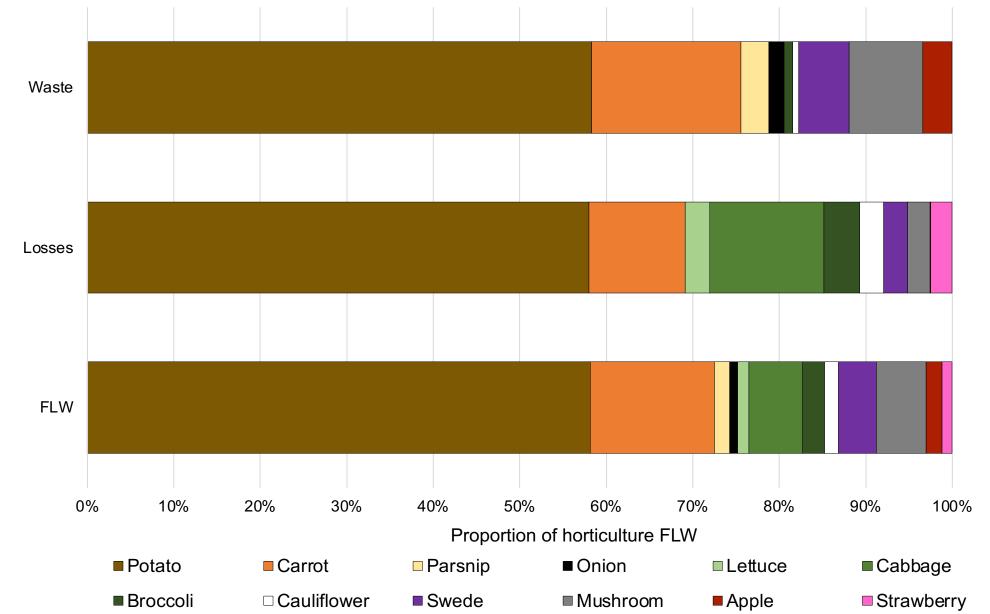








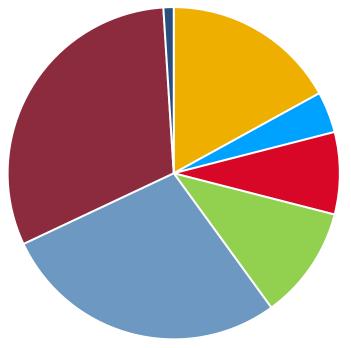
Horticulture FLW



Reasons for FLW

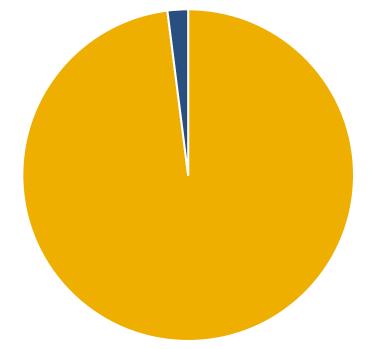


Horticulture



- Pests, disease, injuries and production stress
- Pre-sale processing
- Weather-related disruptions
- Respiration & moisture losses
- Un-harvestable
- Not saleable
- Other

Animal Husbandry

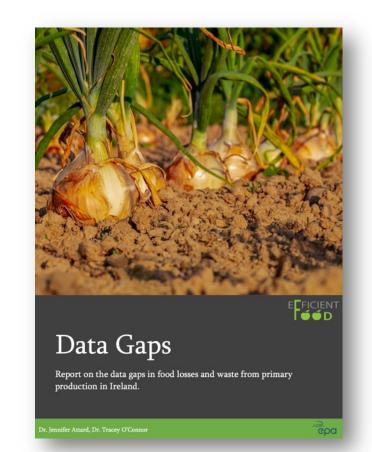




Unavailable or unattainable information

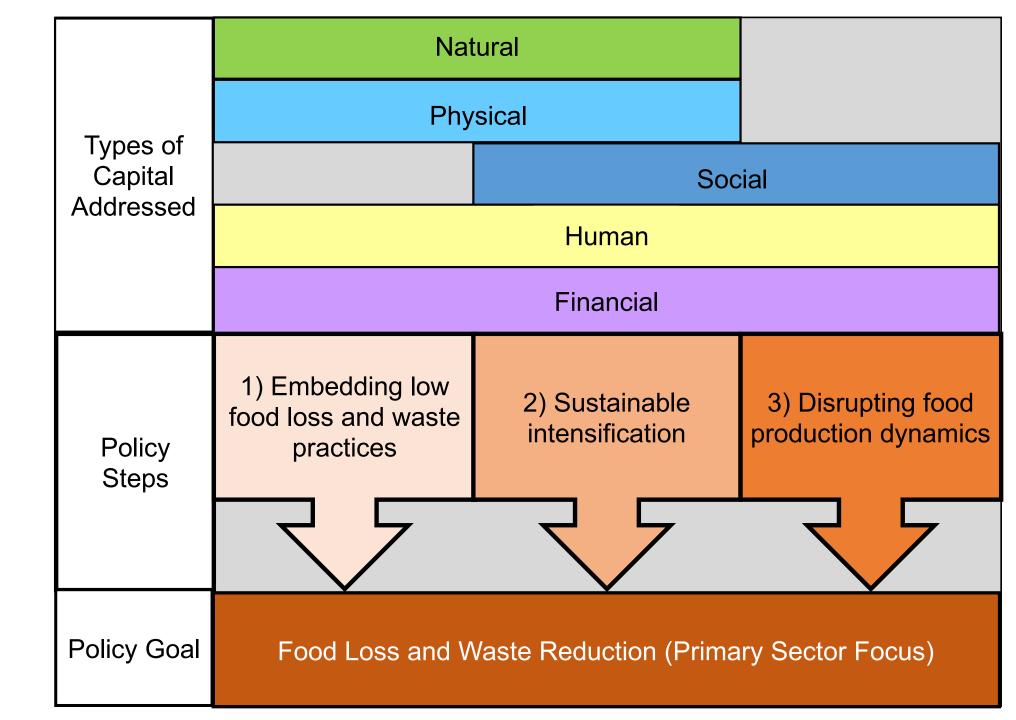
- Lack of real data
- Young animals?
- Systematic vs Natural losses
- Lack of trust
- Pollution and climate change...







Solutions





Recommendations



Strategies	Objectives	Goals	Policy Actions	
		Widespread adoption of low FLW practices	Support knowledge exchange & skills development	
FLW prevention	Embedding low FLW practices	Improve production and food redistribution infrastructure	Implement appropriate financial incentives & disincentives	
		TVC stakeholder collaboration & commitments for FLW reduction	Support food redistribution from	
FLW	Sustainable intensification	Increase trade through short food value chains	primary production Utilize TVC approach to	
minimization	Disrupting food production dynamics	Increase national food processing capacity	increase collaboration Implement value networks & landscapes approach	
		Producer resource sharing to support FLW prevention		



Report Release

"Food Loss and Waste from Farming, Fishing and Aquaculture in Ireland"





Thank You!

For more information, please email jennifer.attard@mtu.ie

Dr Jennifer Attard

CircBio Research Group