

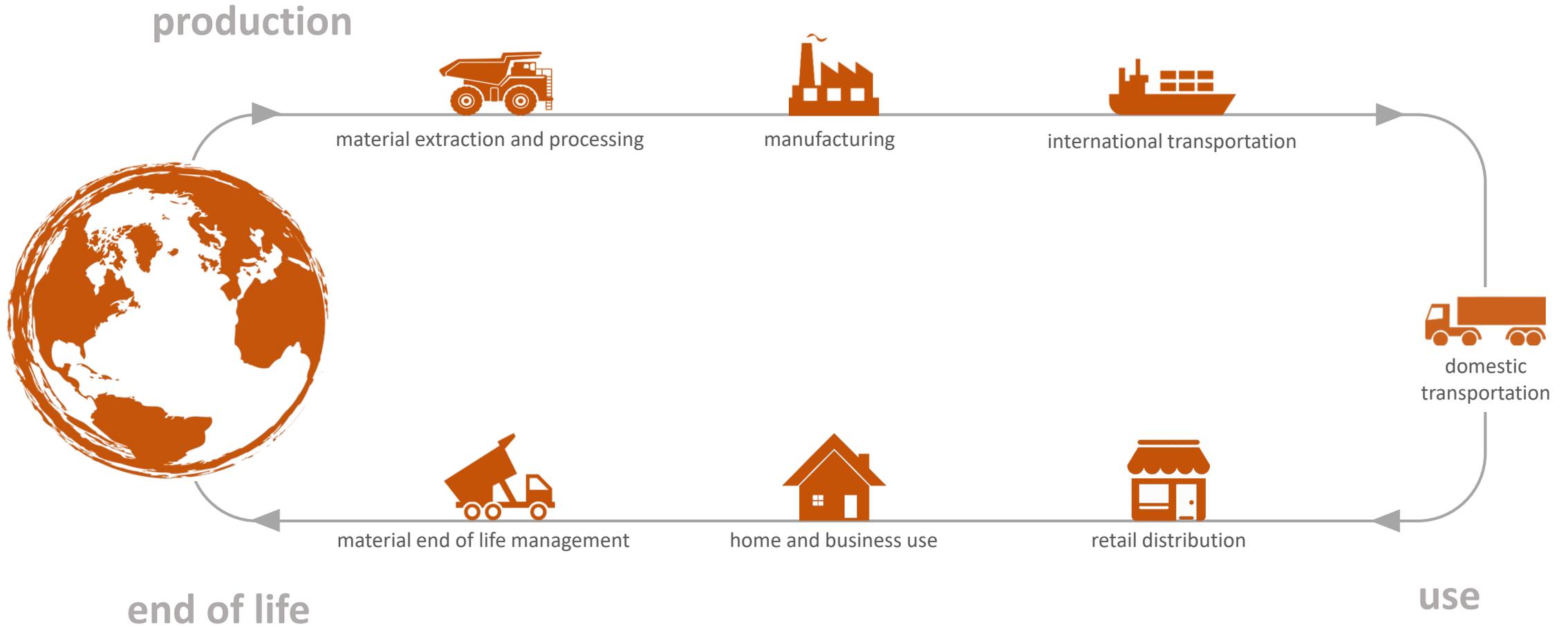
# Food Waste Prevention: Policy Perspectives

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Urban Food Waste Solutions Workshop  
August 5 and 6, 2019



# Life Cycle Approach



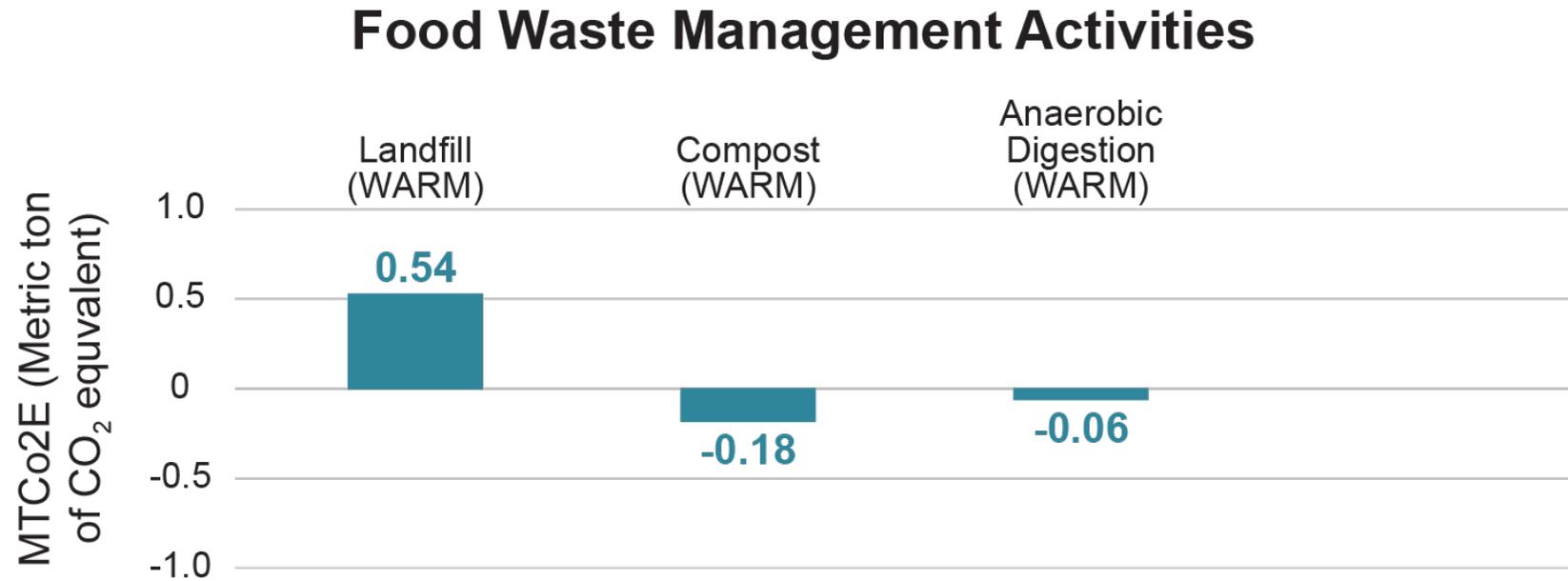
*From a solid waste perspective to a Materials Management perspective*



# Why prevention matters



# Why prevention matters



# Why prevention matters

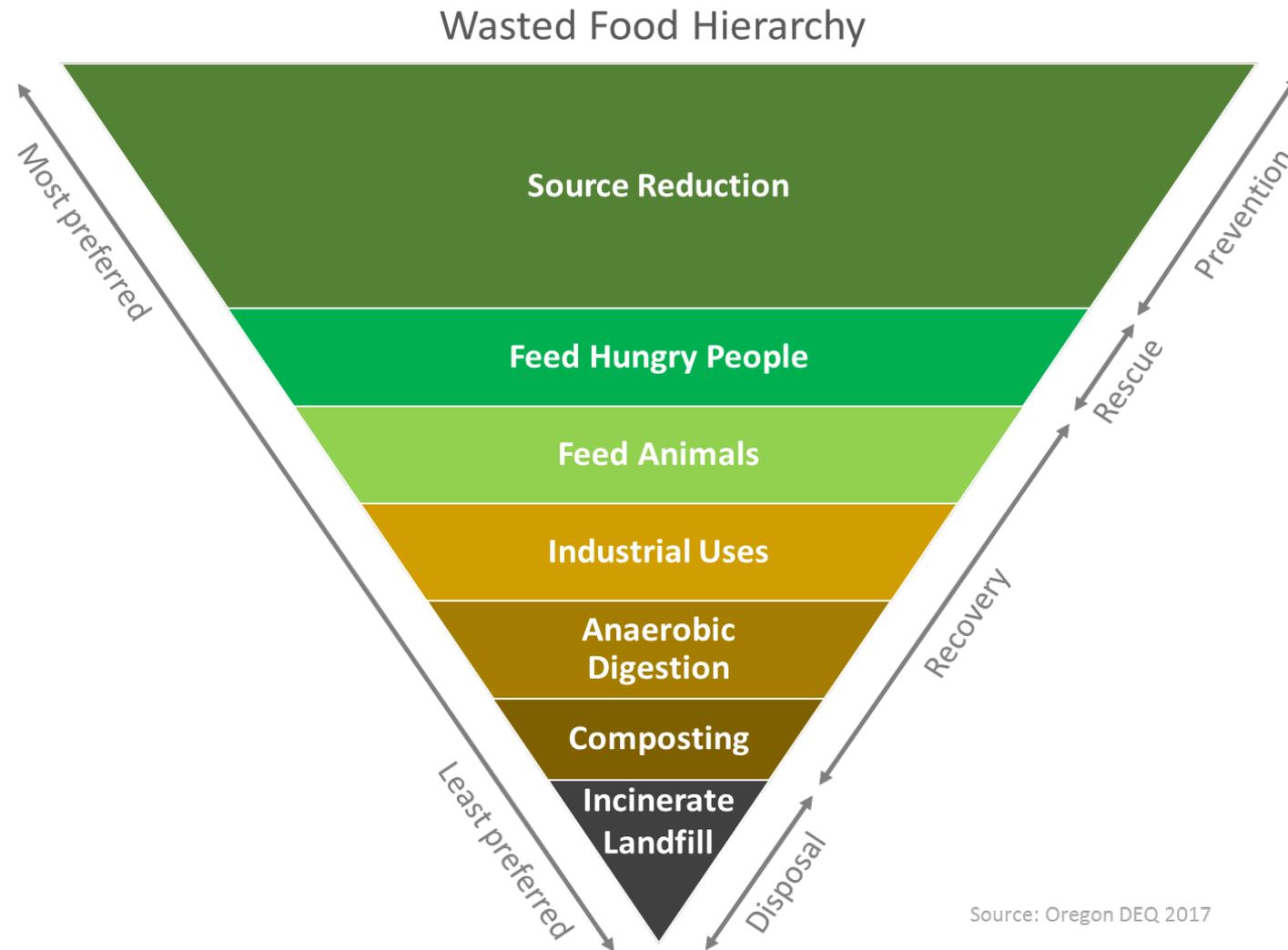


# Prevention potential

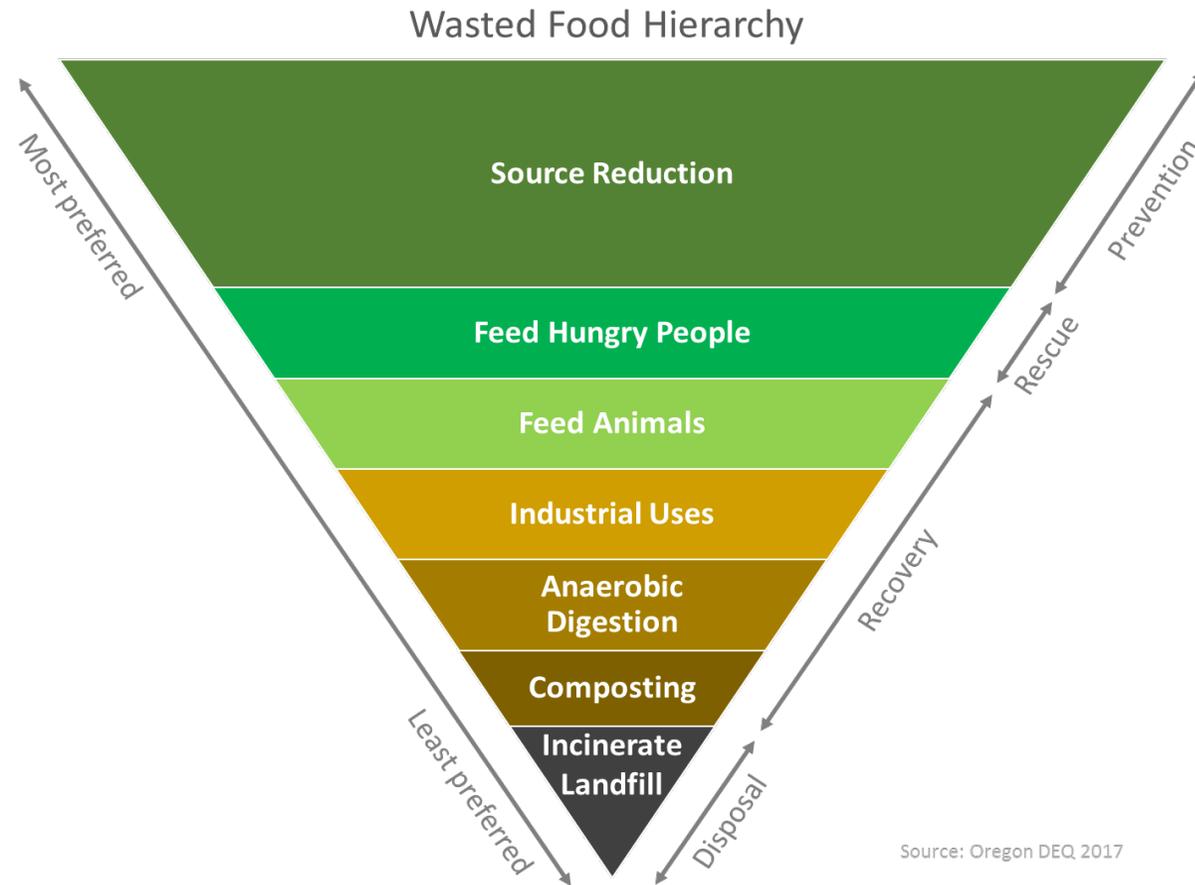
Of the food waste we throw away ...



# Tension in the Hierarchy



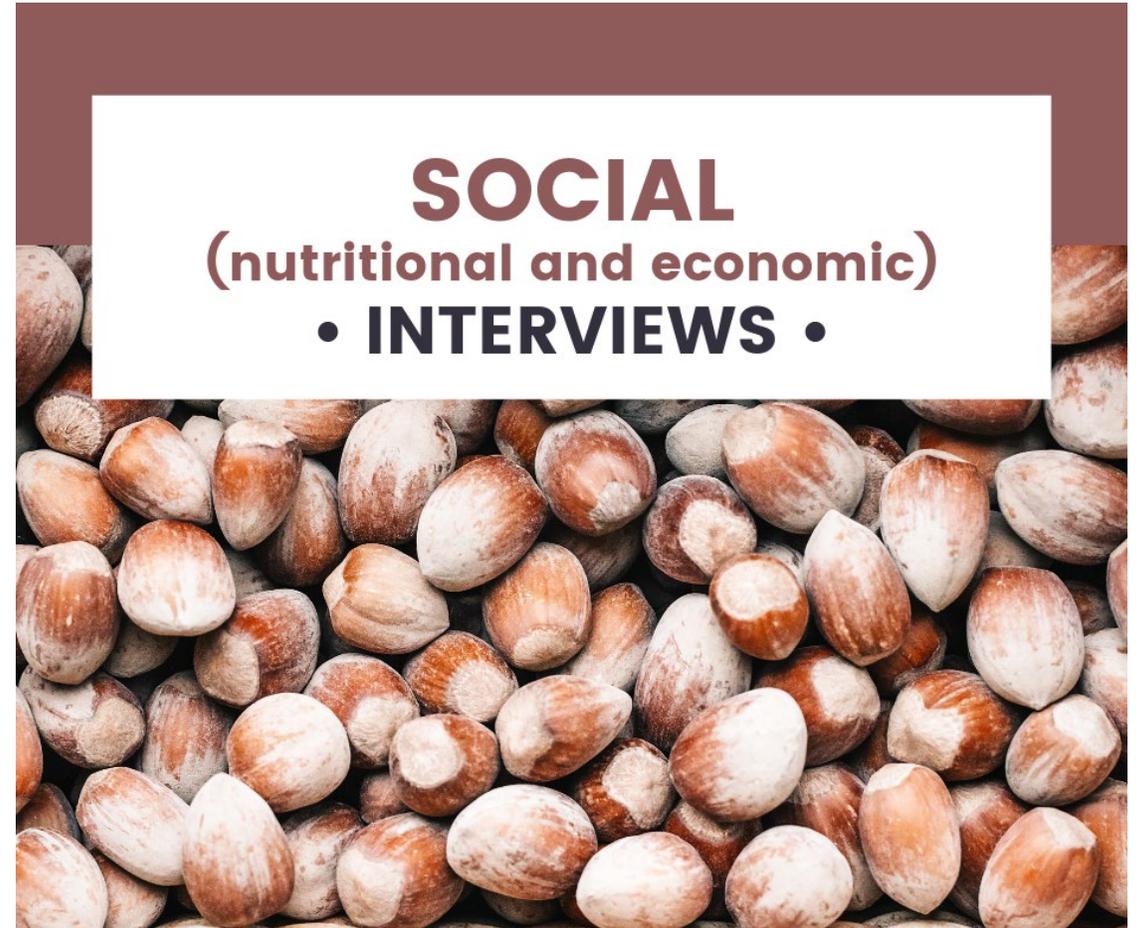
# We're at the bottom of the hierarchy . . .



## And we can't get up

- Recovery offers a “technical fix”
- Prevention requires behavior change and systemic fixes
- Dirty secret

# Food Rescue Study

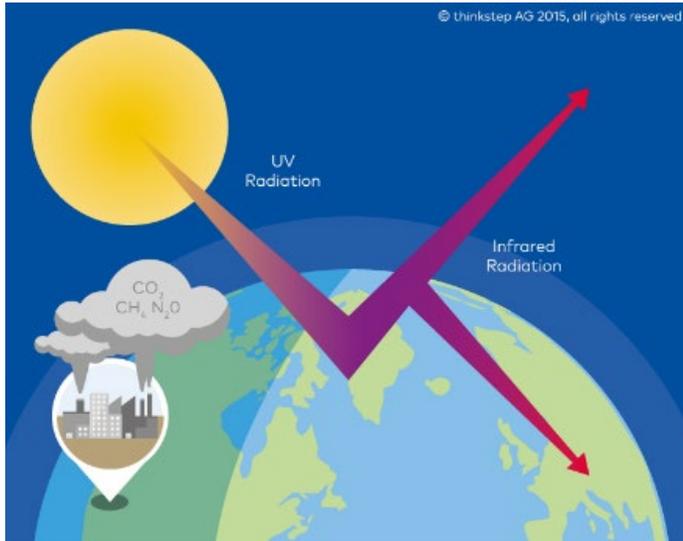


# Key Takeaways: Social

1. The need has changed
2. Supply doesn't always match the need
3. Measurement helps tell the story
4. Food rescue organizations and their clients know best

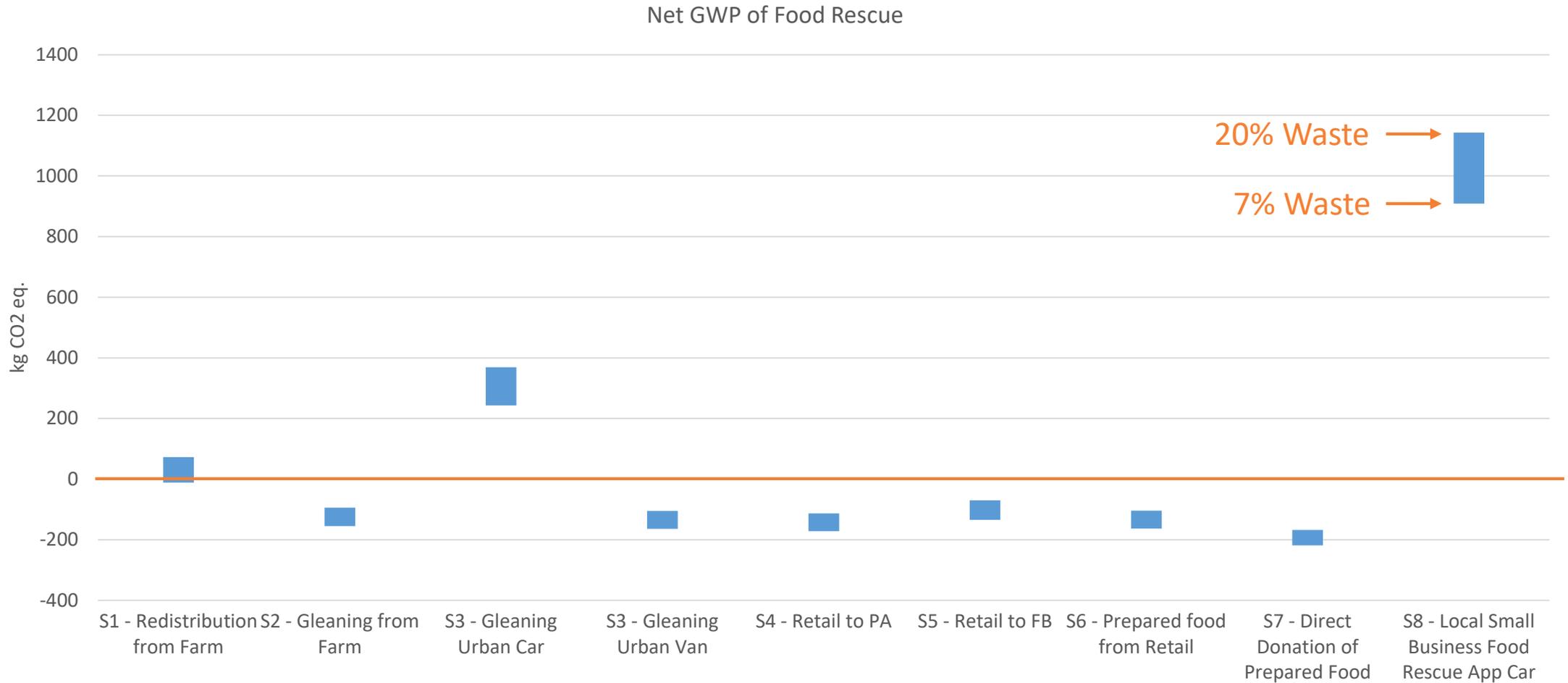


# LCA: impact assessment categories and indicators

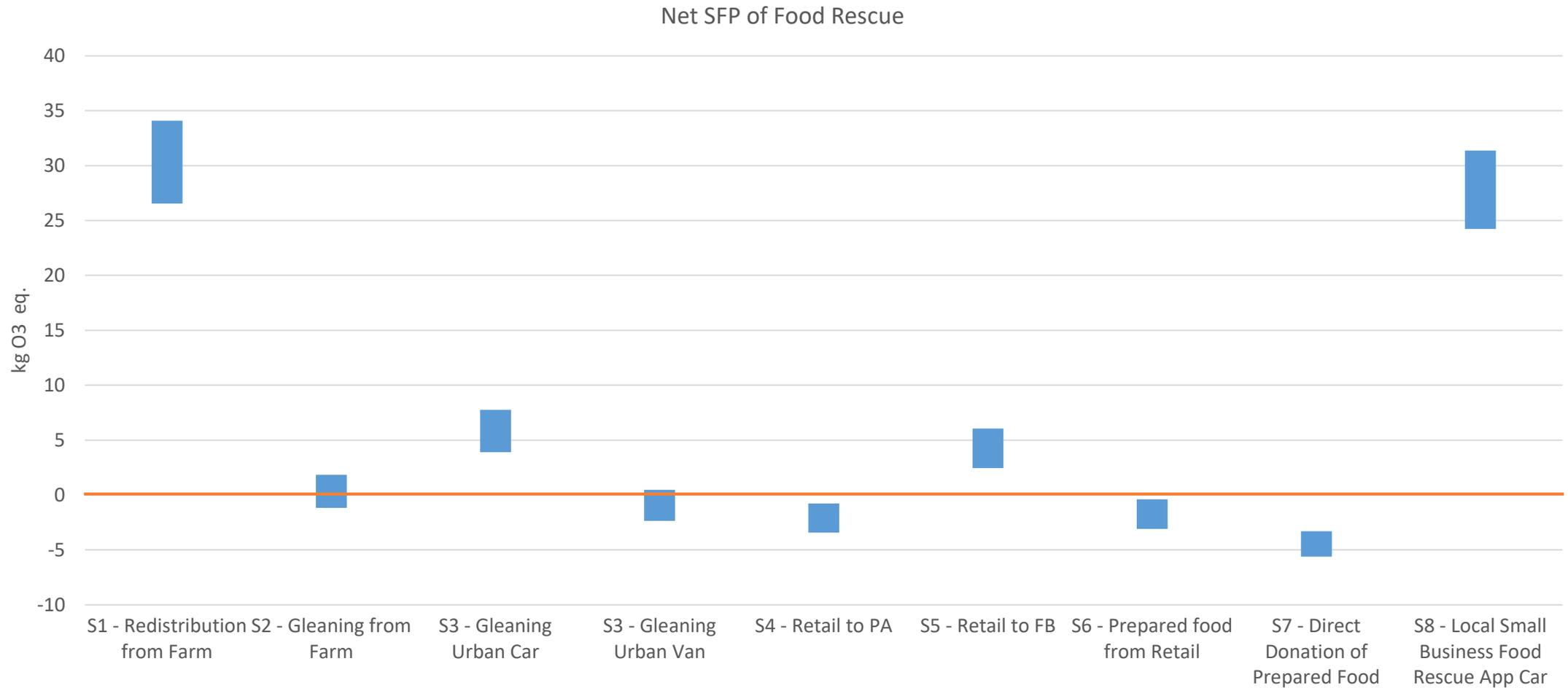


- Global Warming Potential (GWP)
- Acidification Potential (AP)
- Eutrophication Potential (EP)
- Ozone Depletion Potential (ODP)
- Smog Formation Potential (SFP/POCP)
- Particulate Matter Potential (PM 2.5)
- Water Consumption
- Primary Energy Demand (PED)

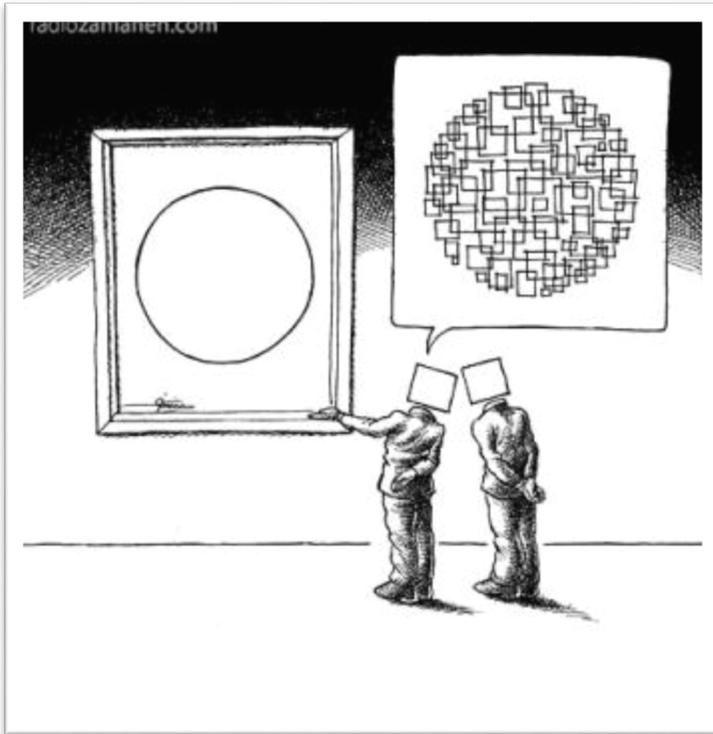
# Global Warming Potential



# smog formation potential

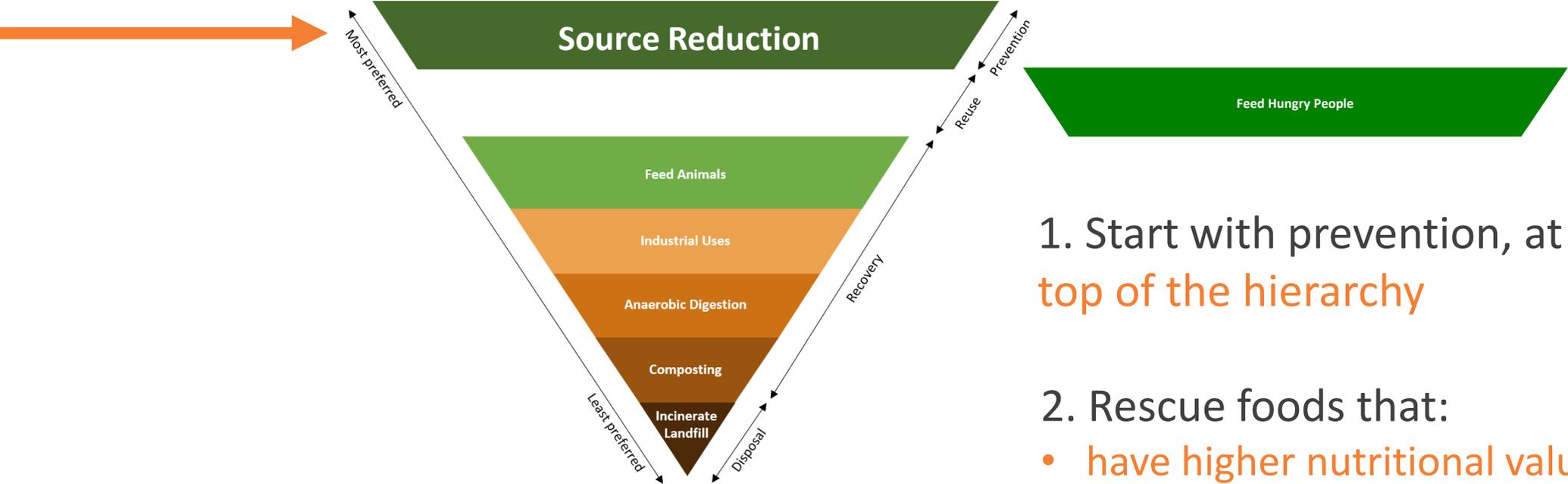


# Key Findings - LCA



- Waste and loss matter most
- Transport is important
- Landfill diversion benefits vary
- Facilities are small contributors
- Disposal of loss and waste
- The relevance of upstream food production

# Recommendations



1. Start with prevention, at the top of the hierarchy

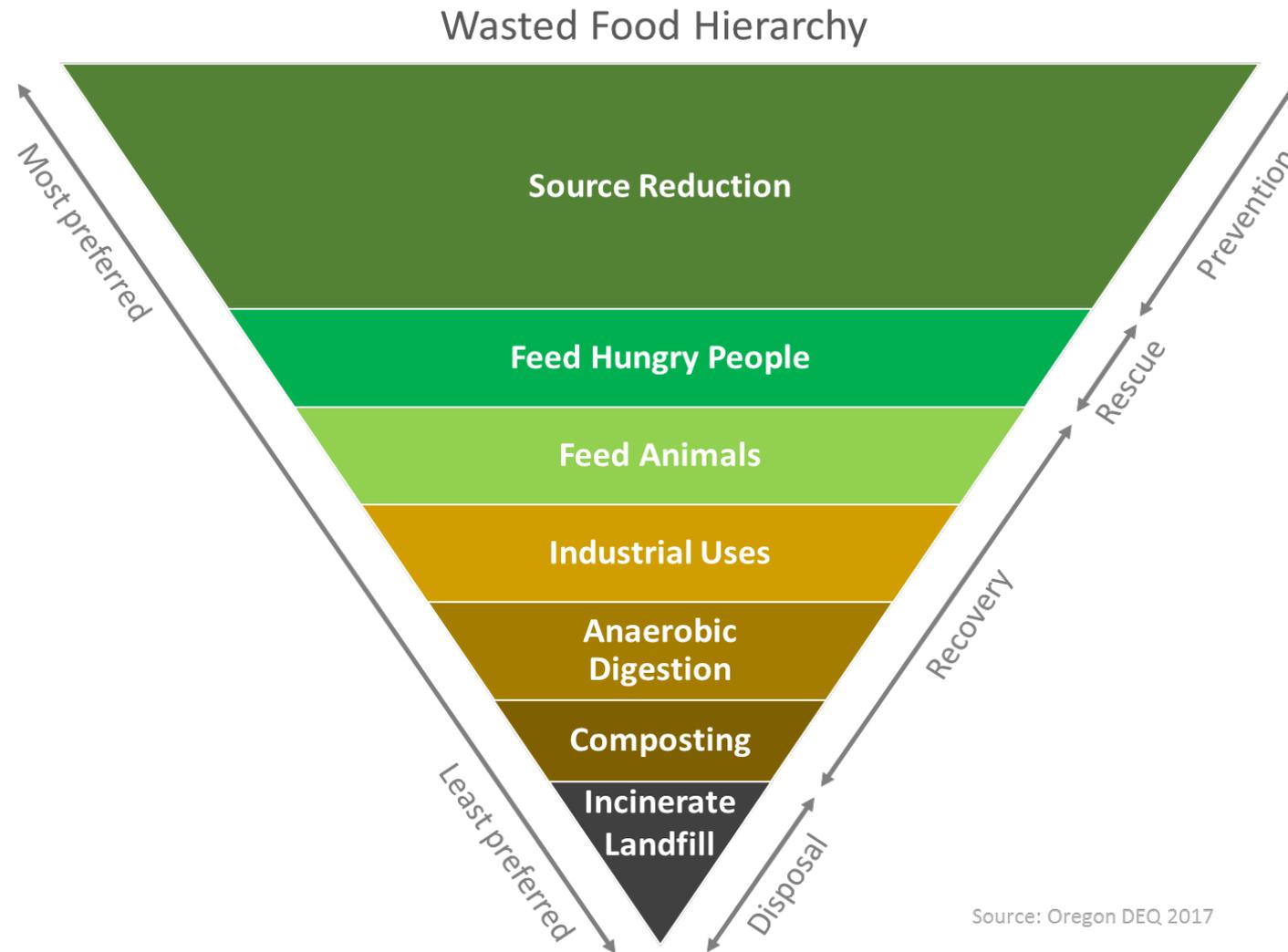
2. Rescue foods that:

- have higher nutritional value and
- are most likely to be consumed

3. Rescue foods using the most efficient most of transport and from as close to recipients as possible



# What's Next?



Source: Oregon DEQ 2017



# Transportation

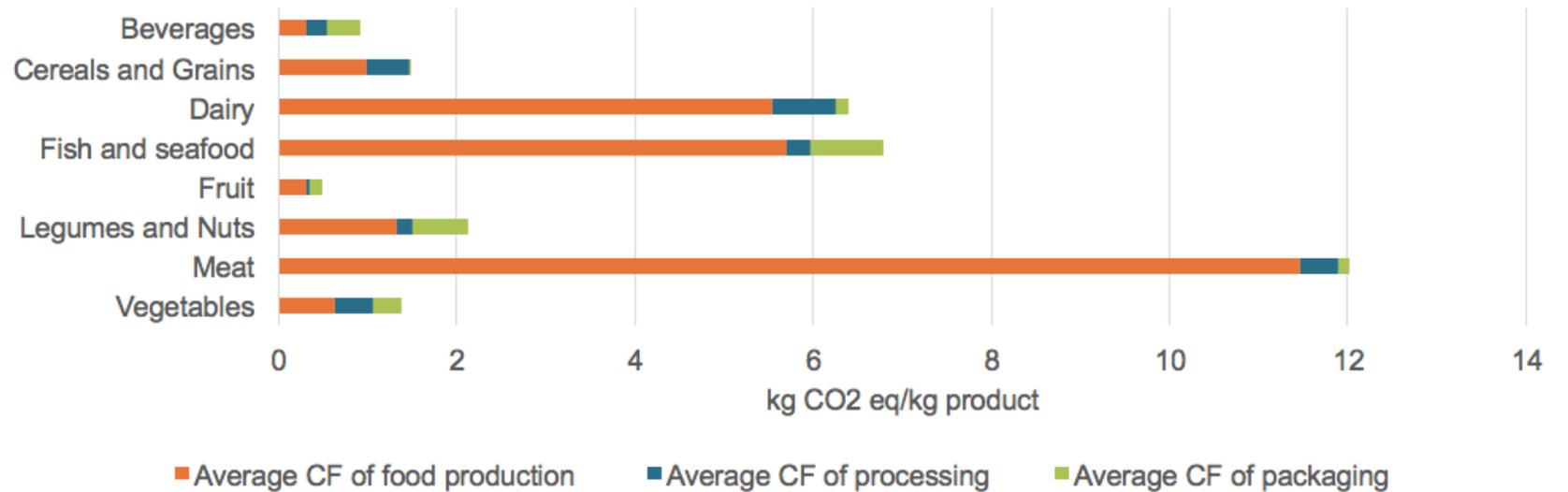


## Distribution of energy used in US food system

# Packaging



## Average carbon footprint of food product production, processing and packaging



# Thanks!

*Elaine Blatt*

Senior Program and  
Policy Analyst  
Oregon DEQ Materials  
Management

[blatt.elaine@deq.state.or.us](mailto:blatt.elaine@deq.state.or.us)



Oregon's 2050 Vision for Materials Management:  
*Oregonians in 2050 produce and use materials responsibly – conserving resources –  
protecting the environment – living well*

