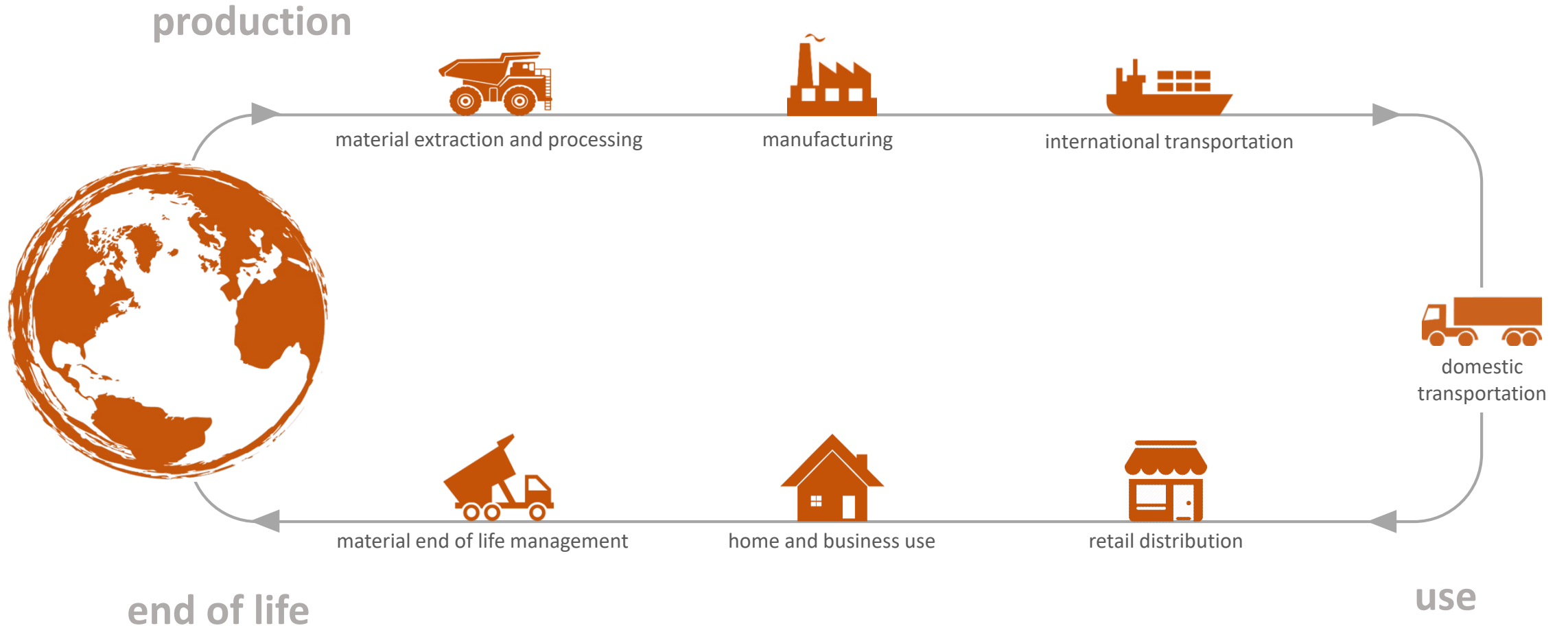


Food Waste Prevention: Policy Perspectives

Urban Food Waste Solutions Workshop
August 5 and 6, 2019



Life Cycle Approach

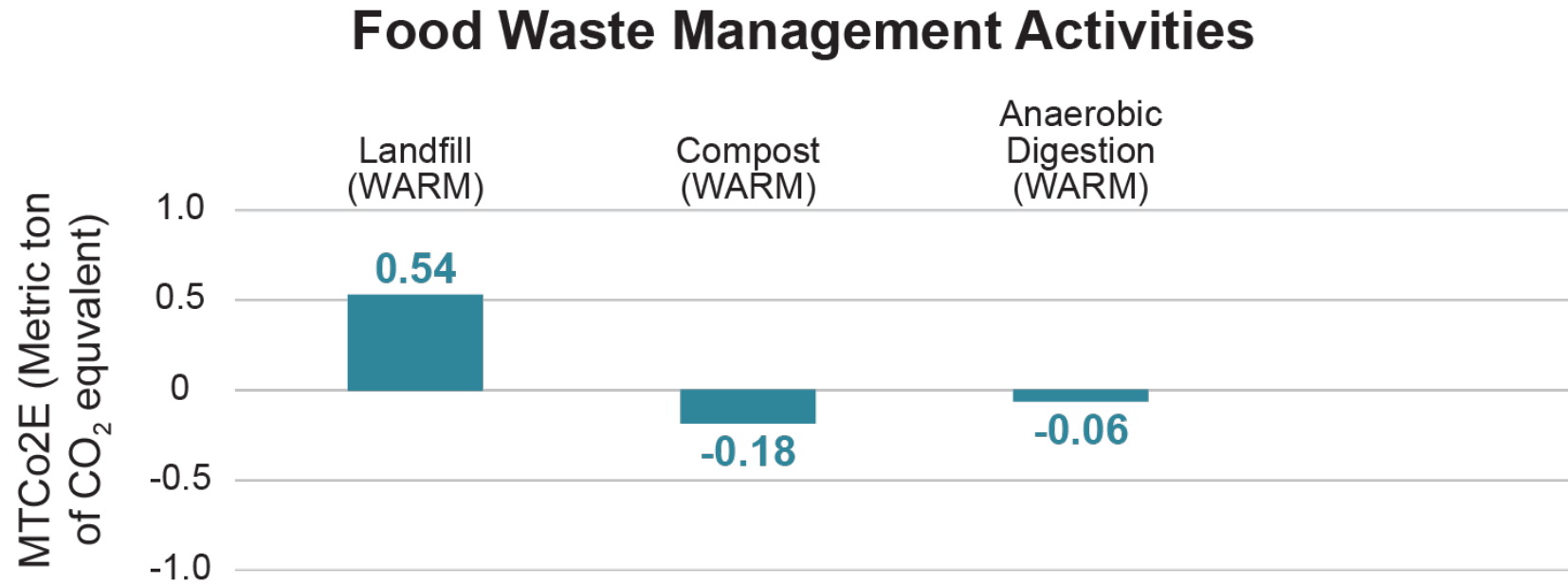


From a solid waste perspective to a Materials Management perspective

Why prevention matters



Why prevention matters



Why prevention matters

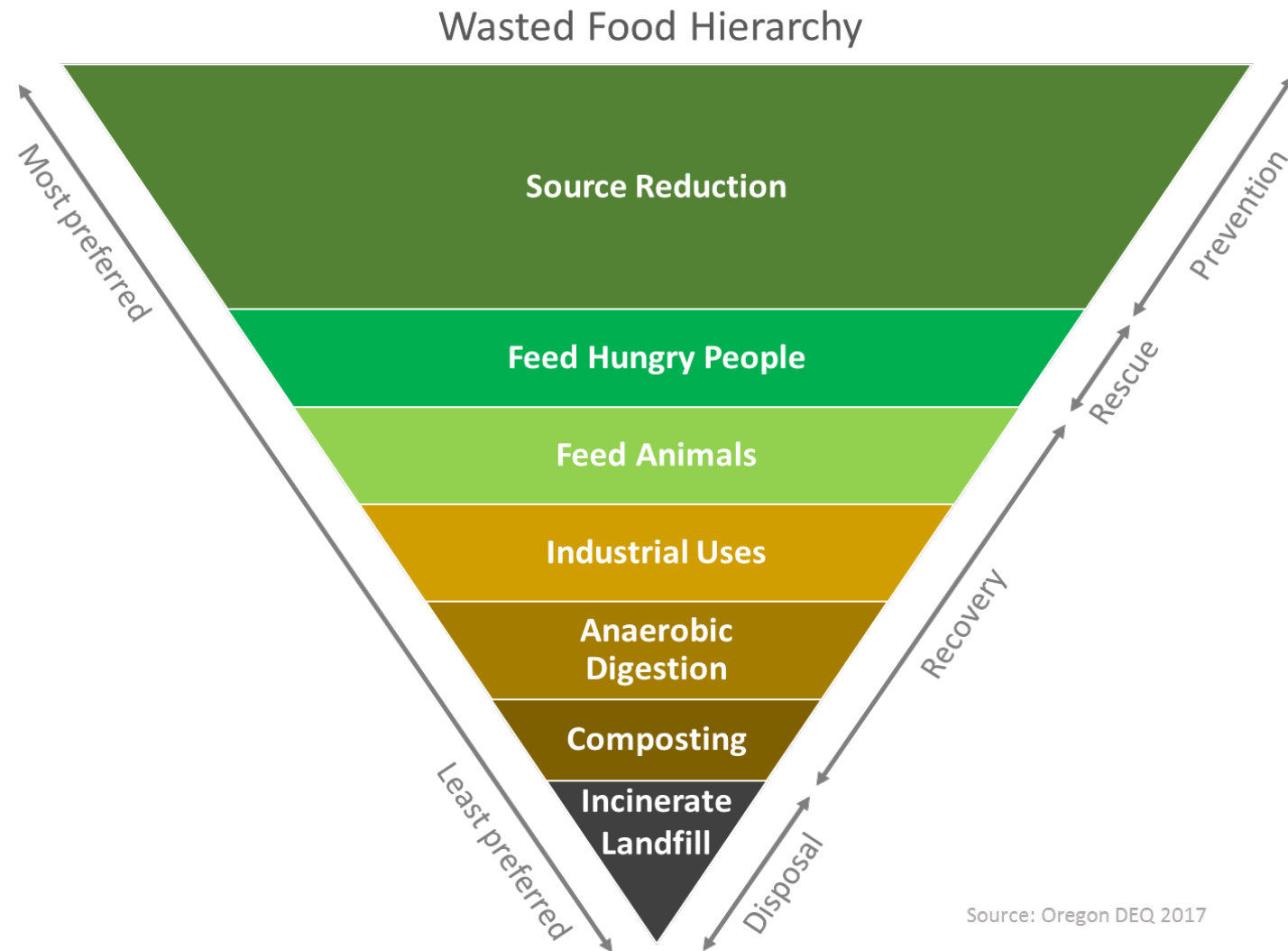


Prevention potential

Of the food waste we throw away ...

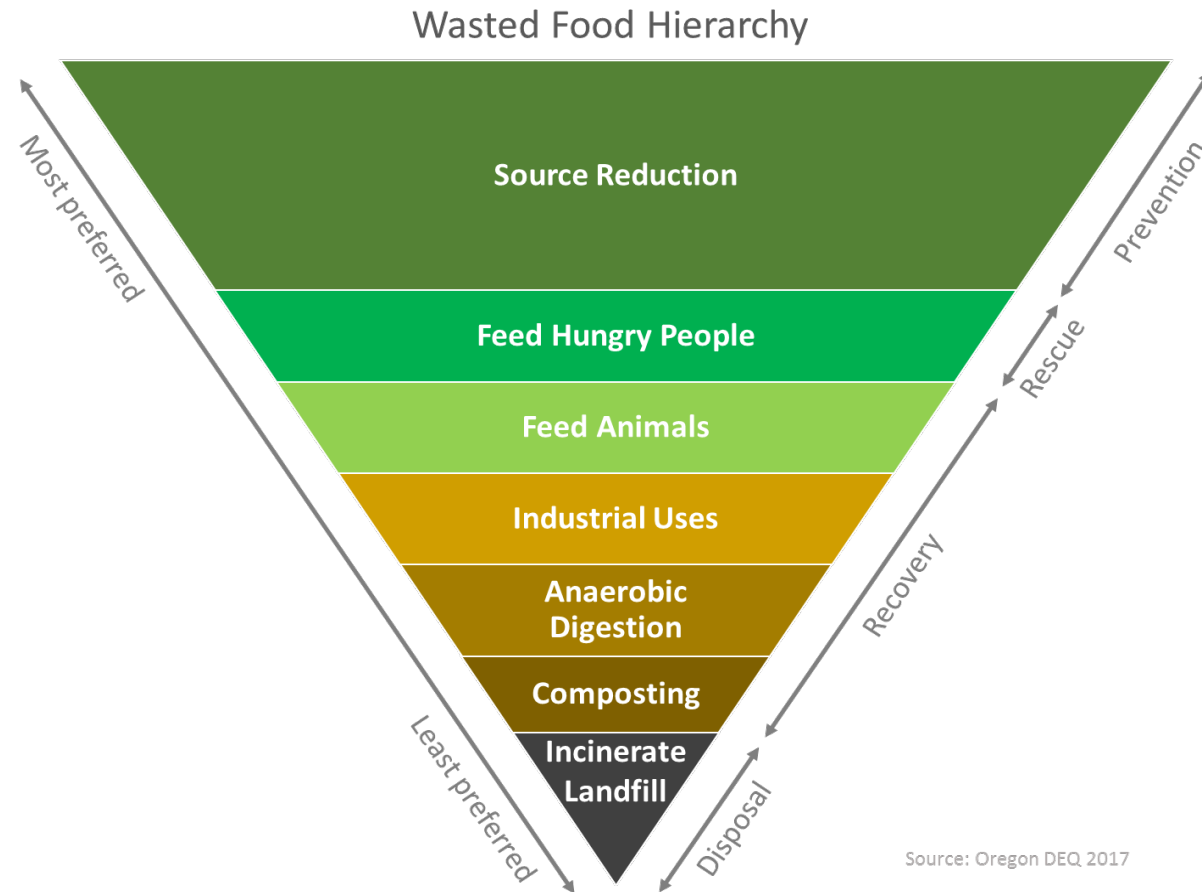


Tension in the Hierarchy



Source: Oregon DEQ 2017

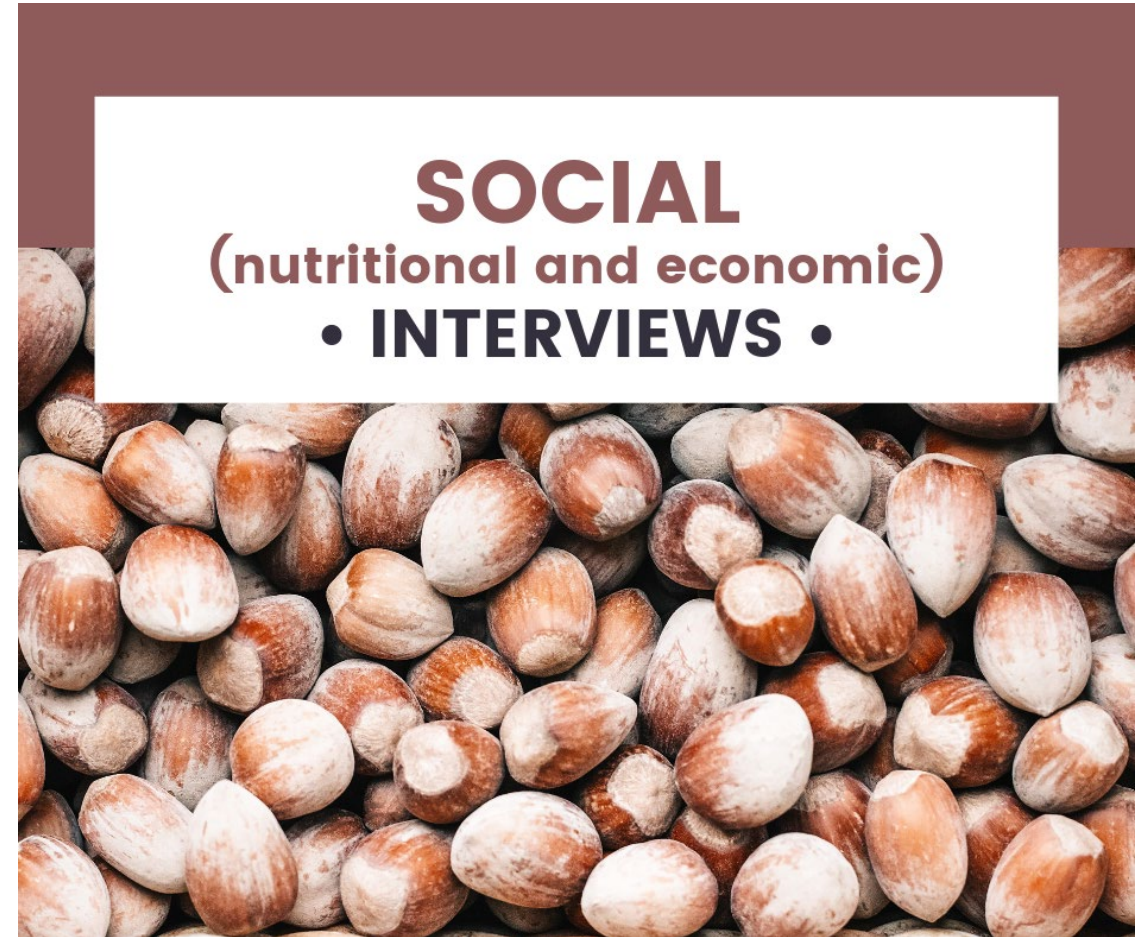
We're at the bottom of the hierarchy . . .



And we can't get up

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

Food Rescue Study

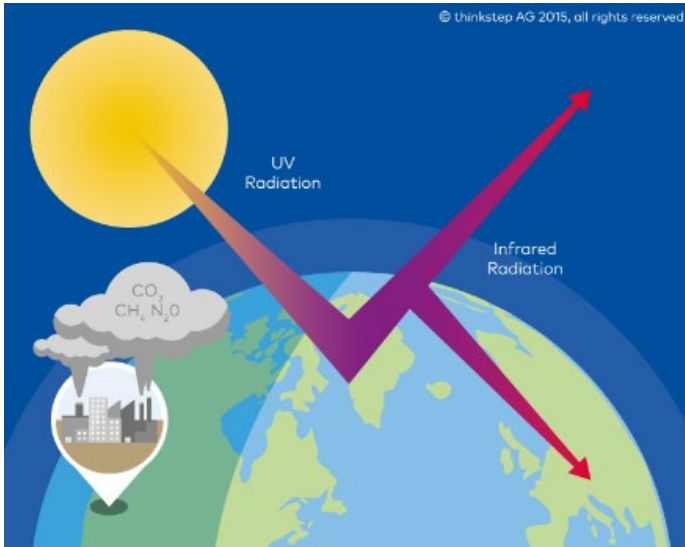


Key Takeaways: Social

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

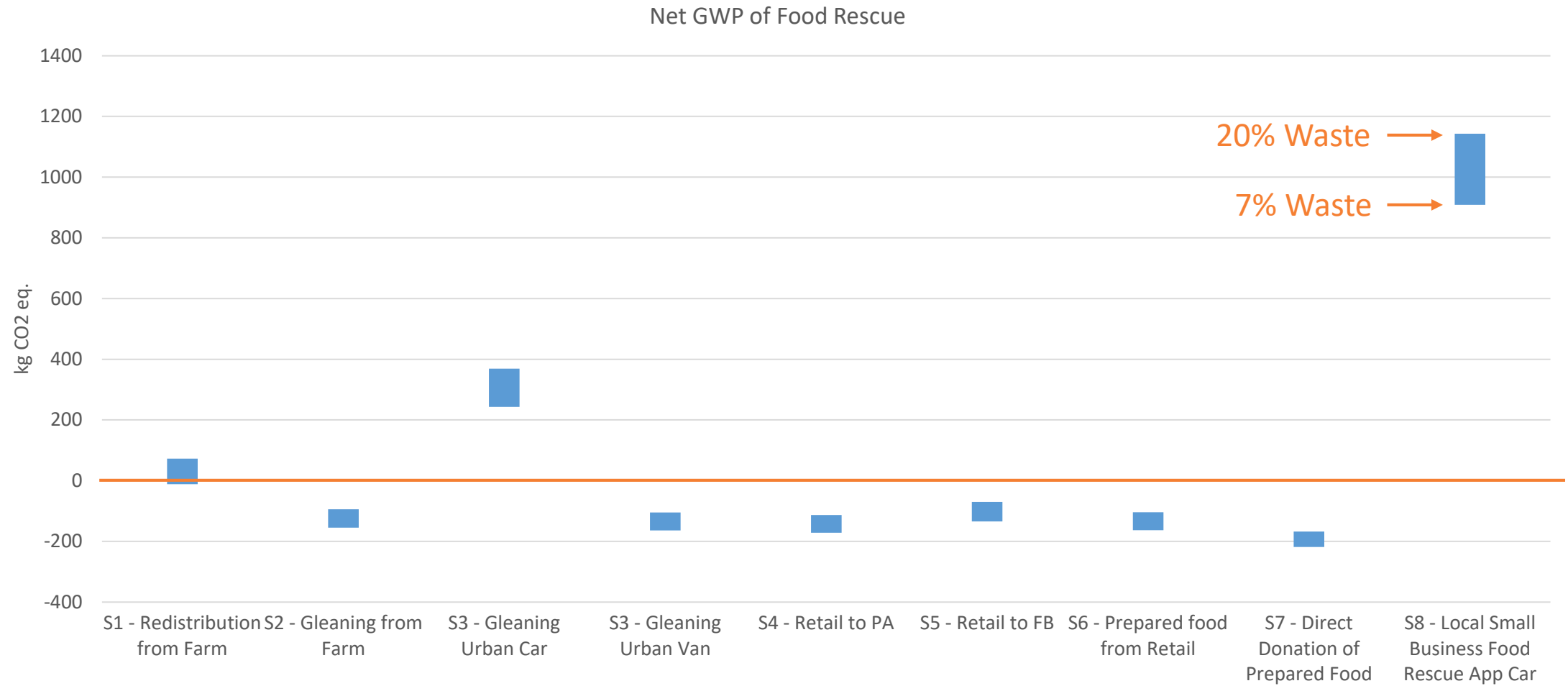


LCA: impact assessment categories and indicators

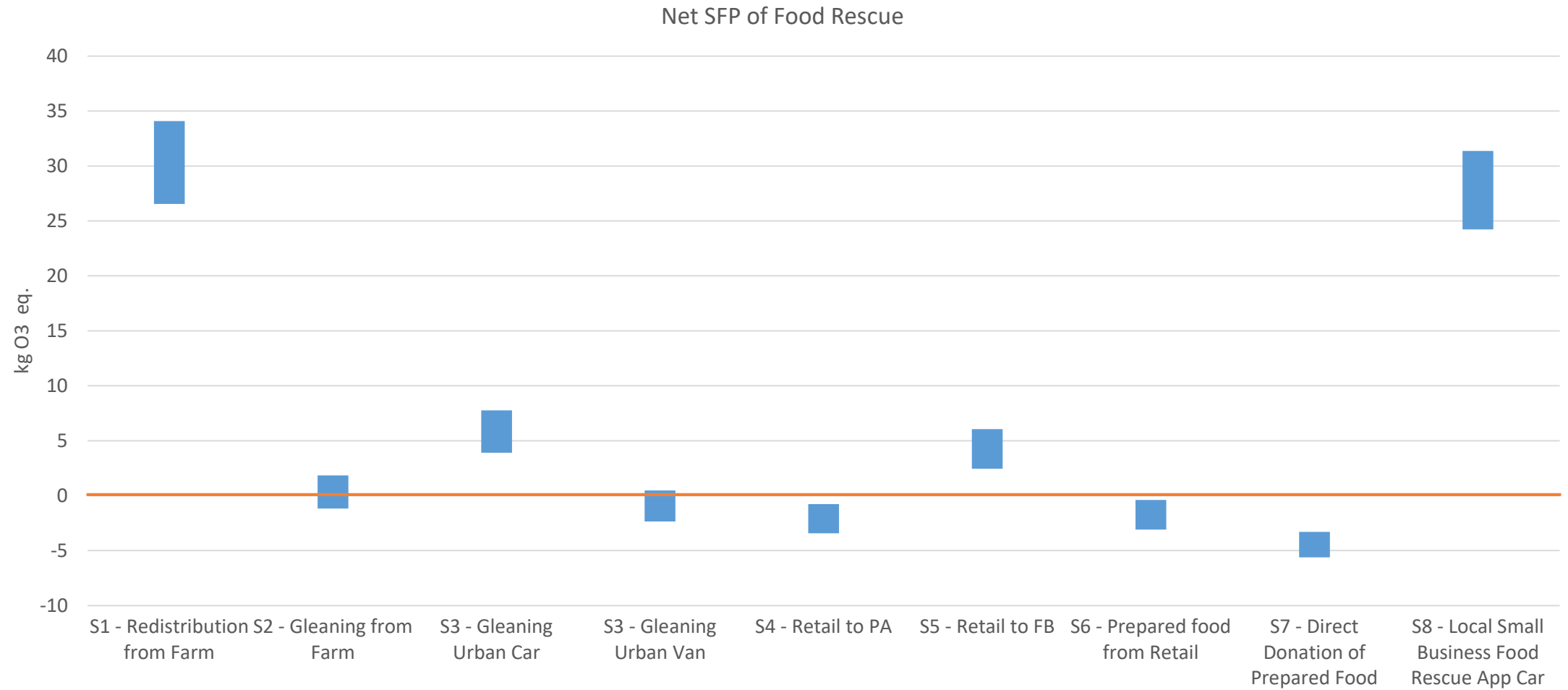


- Global Warming Potential (GWP)
- Acidification Potential (AP)
- Eutrophication Potential (EP)
- Ozone Depletion Potential (ODP)
- Smog Formation Potential (SFP/POCP)
- Particulate Matter Potential (PM 2.5)
- Water Consumption
- Primary Energy Demand (PED)

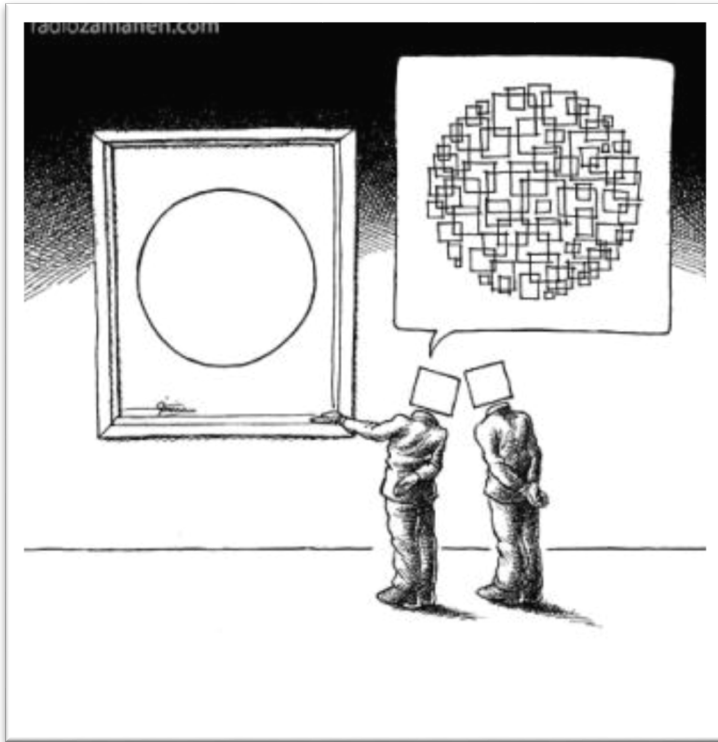
Global Warming Potential



smog formation potential

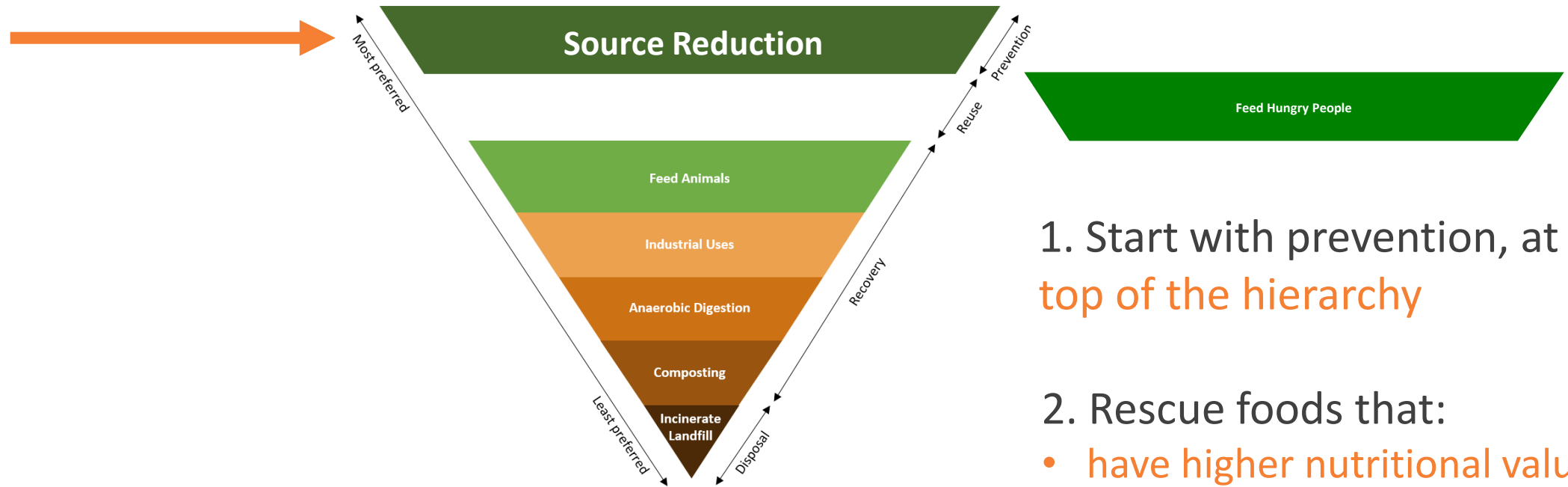


Key Findings - LCA



- 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



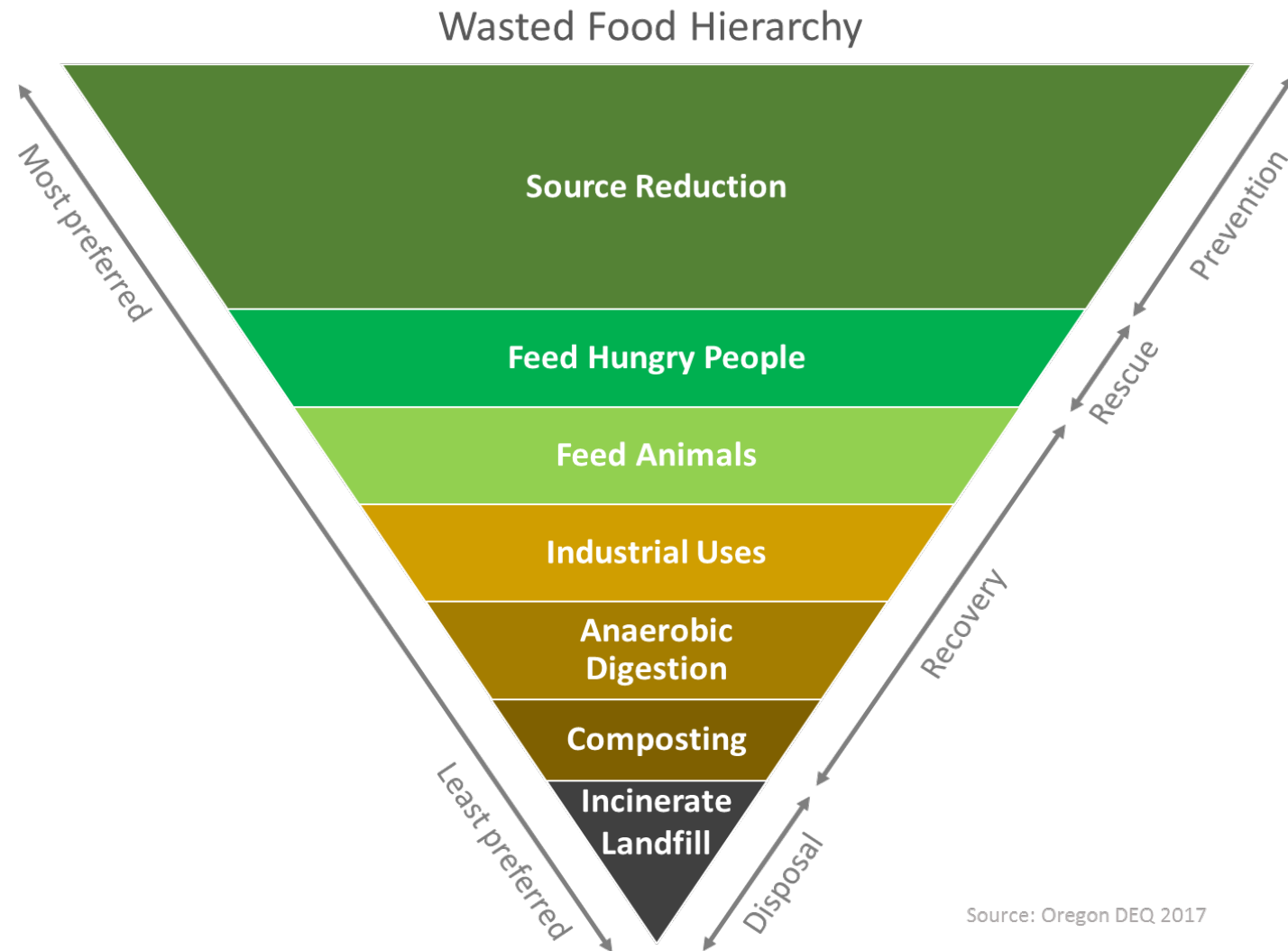
1. Start with prevention, at the top of the hierarchy

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

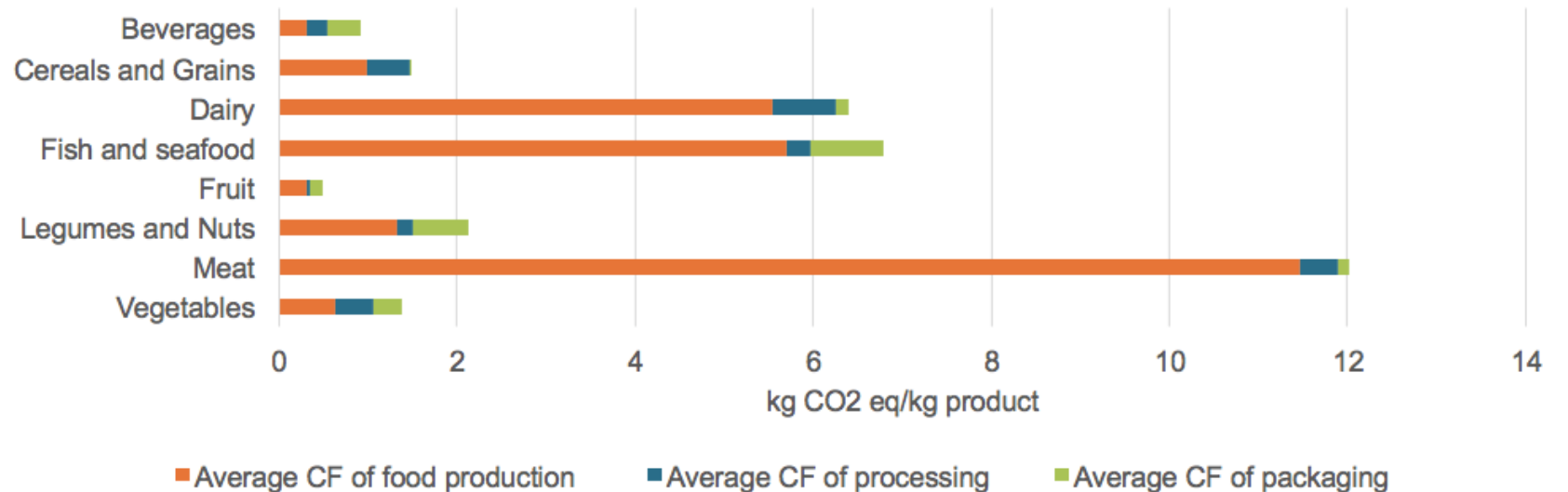


Distribution of energy used in US food system

Packaging



Average carbon footprint of food product production, processing and packaging



Thanks!

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Oregon's 2050 Vision for Materials Management:

*Oregonians in 2050 produce and use materials responsibly – conserving resources –
protecting the environment – living well*

