

# Food rescue audits

Melanie Kok, Wageningen University & Research

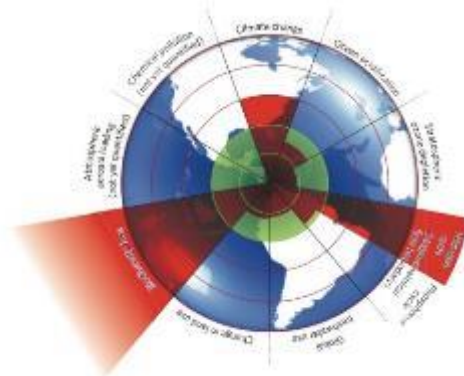
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# Food Waste Prevention - drivers for change

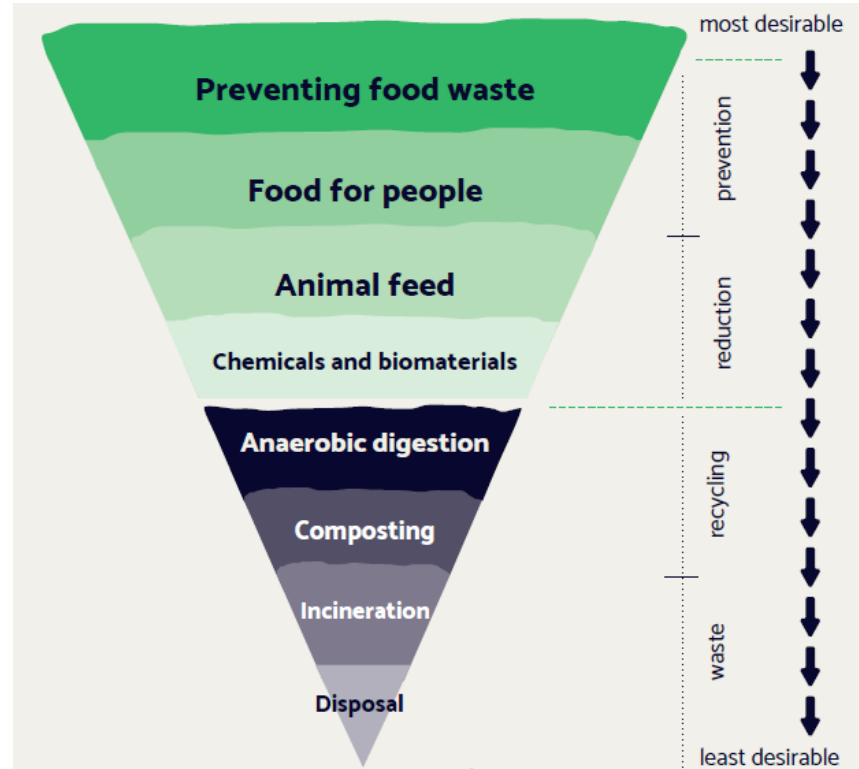
SDG 12.3:

By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses



# Ground rules of the Dutch approach

- Food waste hierarchy
- Focus on optimum use of resources
- Prevention, reduction, valorisation
- Connect & accelerate
- Target, Measure, Act



# Creating insight

- Measure → Target → Act
- “What gets measured, gets managed”
- FLW occur within the whole company
  - sourcing, handling, logistics, processing lines, waste management
  - 20-30% of FLW can be reduced (low hanging fruits)
- Increase resource efficiency

# “business case” of FLW

## 1. SAVE MONEY

An analysis of 700 companies in 17 countries found that investing in food loss and waste reduction yielded a 14-fold return.

### COMPANIES



Measuring waste 

Training staff 

Buying storage equipment 

Changing packaging 

 Selling imperfect produce

 New products

 Reducing waste management costs

 Avoiding cost of food not sold

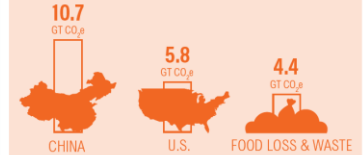
## 2. FIGHT HUNGER

The world throws out **1 billion tons** of food each year while **1 in 9 people globally remain malnourished**.



## 3. CURB CLIMATE CHANGE

Food loss and waste produces **8% of global greenhouse gas emissions**; if it were its own country it would be world's **third-largest emitter**.



## 4. CONSERVE RESOURCES

It takes a **China-sized amount of land** to grow food that's ultimately lost or wasted.



## 5. IMPROVE REPUTATION

**Reducing food loss and waste** improves relationships with customers, vendors and other stakeholders.



## 6. COMPLY WITH LAWS

**Government agencies and companies** sometimes must adhere to regulations on disposing organic waste, including food.

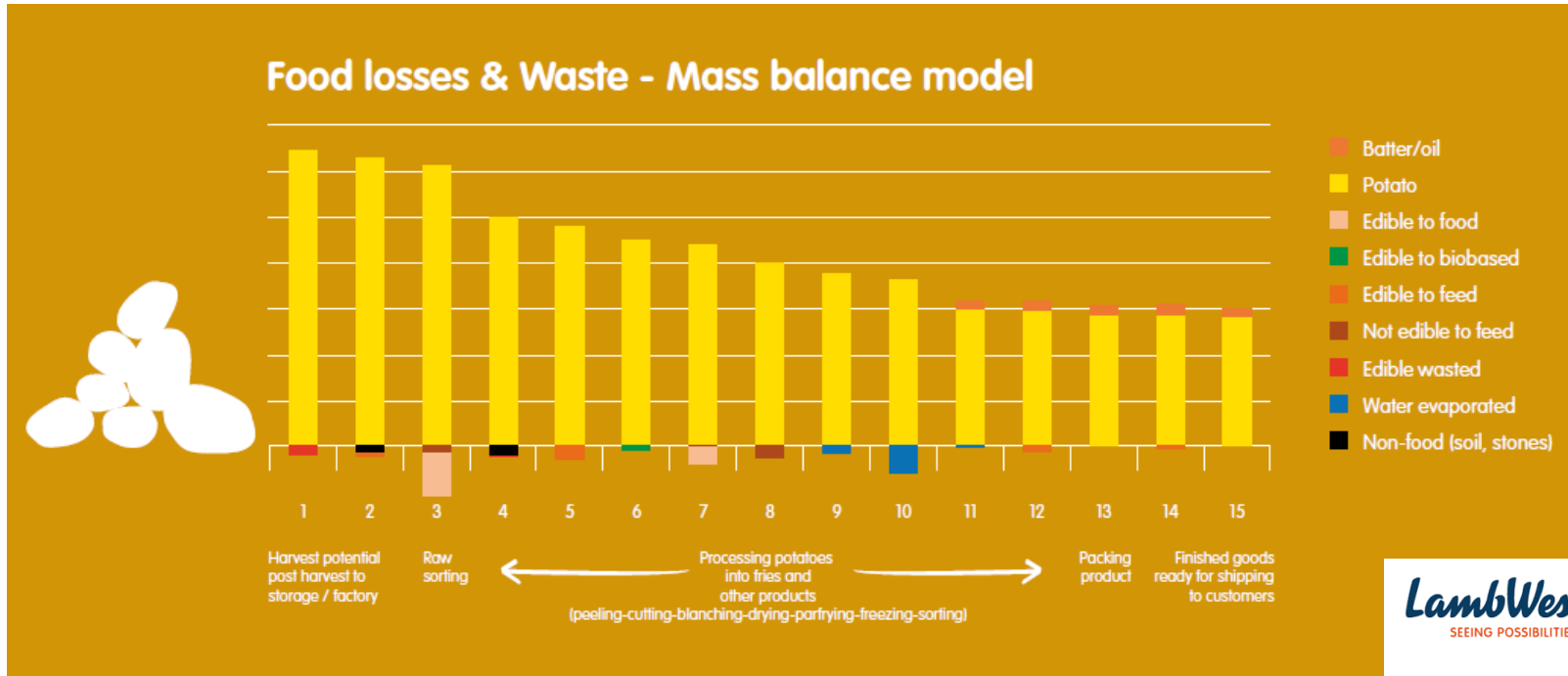


## 7. UPHOLD ETHICS

Executives, staff and consumers increasingly recognize food loss and waste reduction as **“the right thing to do.”**



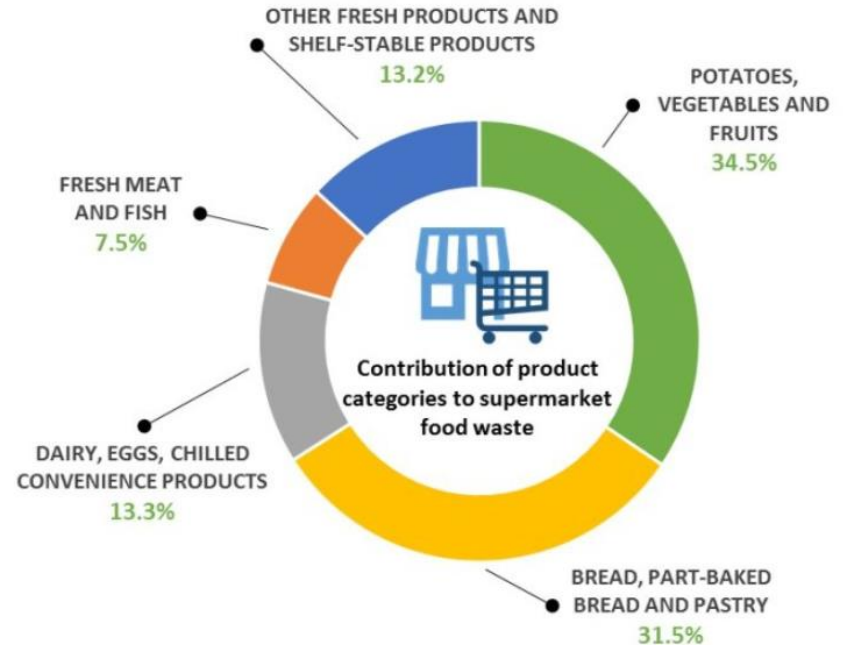
# Example 1 – Company Lamb Weston



# Example 2 – Sector retail

- Results of 5 Dutch retailers
- On average, 98.3% of the food offered in supermarkets in The Netherlands is sold. The remaining 1.7% of food (in kilograms) does not reach the consumer.
- Set a benchmark
- <https://www.wur.nl/en/newsarticle/Dutch-supermarkets-provide-insights-into-food-waste.htm>

The 1.7% of food waste in the supermarket sector consists of five product categories:



# Example 3- Consumer food waste



<https://samentegenvoedselverspilling.nl/verspillingsvrij/>

## Results food waste monitor

- Consumers throw away 34 kg of food per person per year in 2019
- Most wasted: bread, dairy products, vegetables, fruits and potatoes

## Leads for companies

- Dutch companies adjusted portion size and packaging
- More information provided on date labelling

## Actions taken

- Research and pilots
- Consumer campaign focussing on positive social norms and practical tips



# Collaboration Estonia-Netherlands

- End 2020 we started with a joint collaboration to perform food rescue audits at 2-3 Estonian companies.
- Goal is to gain insights in their food resource use efficiency by analyzing their data and processes, aimed at identifying opportunities for food loss and waste prevention, reduction and /or valorization of side stream.
- Opportunities that were found in the Netherlands will also work in Estonia
- Funded by the Dutch Embassy in Estonia

# Available tools

- WRI

<http://flwprotocol.org/>

- EU FUSIONS

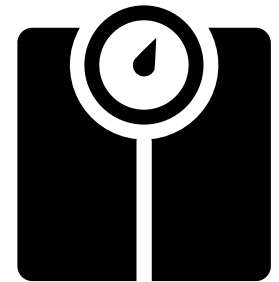
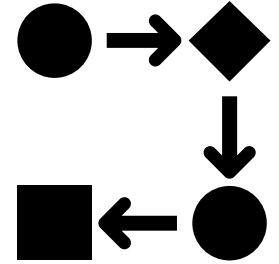
<https://www.eu-fusions.org/phocadownload/Publications/FUSIONS%20Food%20Waste%20Quantification%20Manual.pdf>

- REFRESH

<https://www.wur.nl/en/Research-Results/Onderzoeksprojecten-LNV/Expertisegebieden/kennisonline/REFRESH-reducing-food-waste-1.htm>

# How to start


1. Make someone responsible
2. Create insight in the current activities
3. Select one of the available tools to collect the data
4. Start collecting data



Thank you for  
your attention!

**Contact**

Melanie Kok  
Melanie.kok@wur.nl



To explore  
the potential  
of nature to  
improve the  
quality of life