



Centre for
Urban Transitions

foodcompostfood.org

Urban composting research symposium

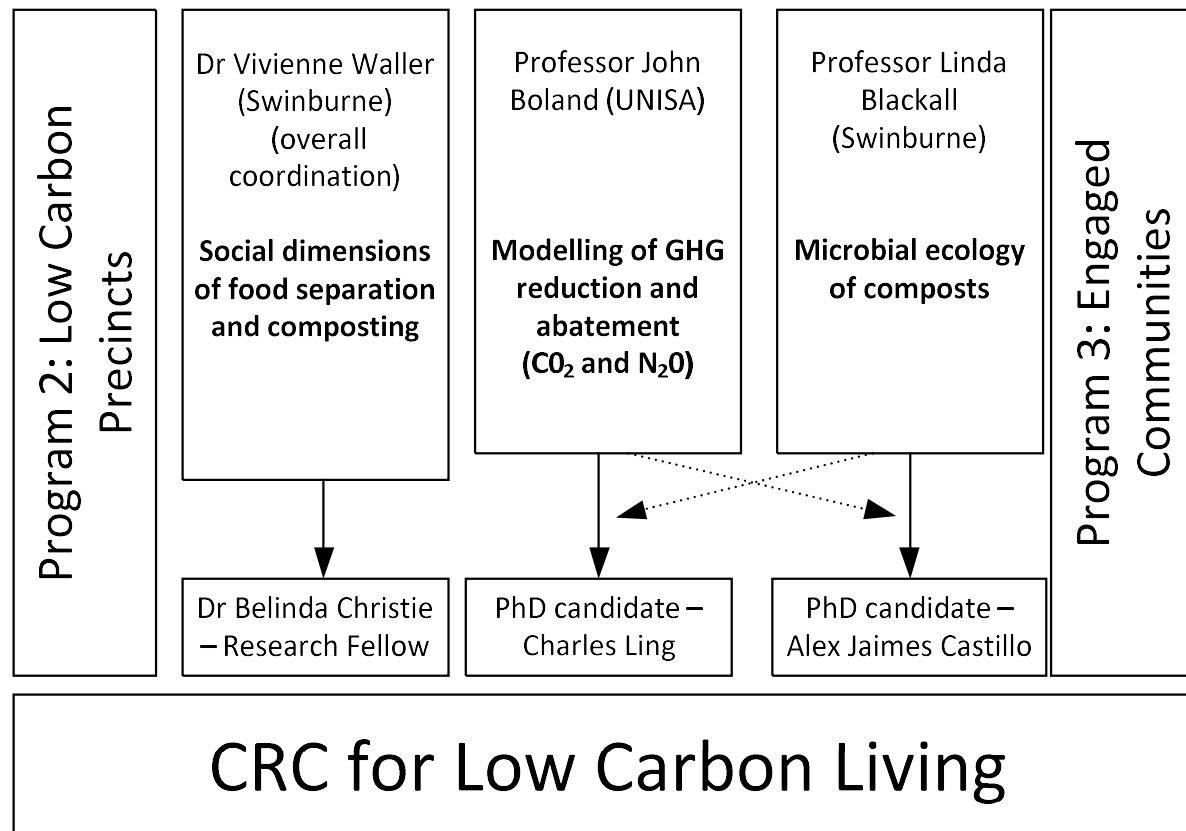
27th August 2018



LOW CARBON LIVING
CRC

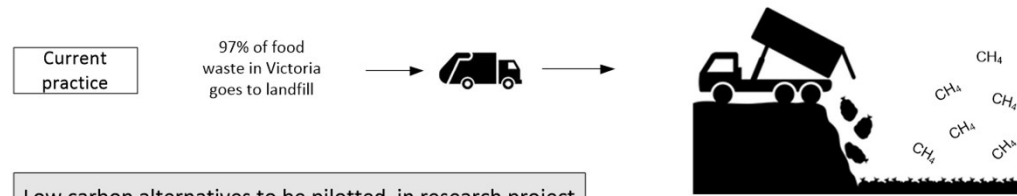
Carbon reductions from composting food waste for food production – fitting recycling models to urban forms

Multidisciplinary project with three distinct research strands



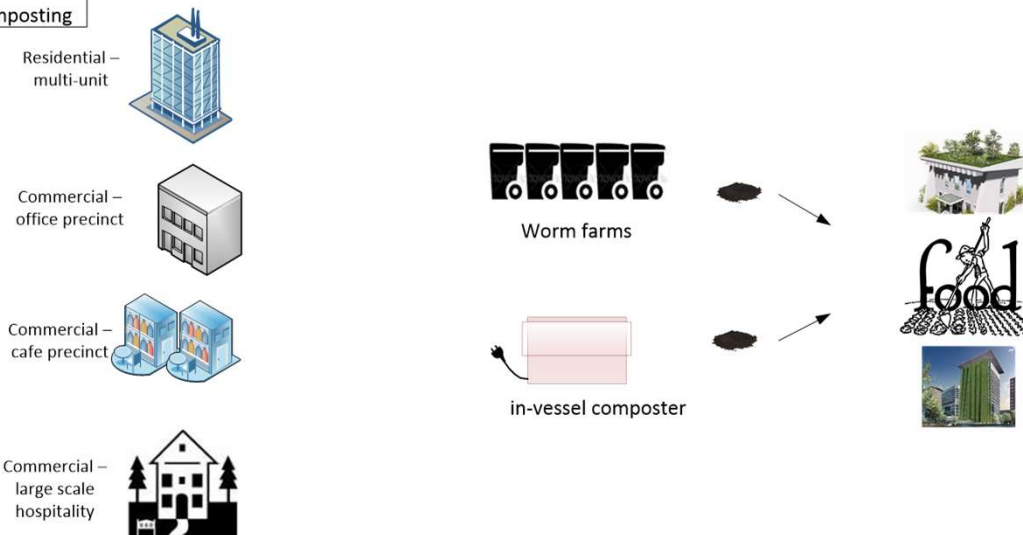
Steering Committee

Sustainability Victoria
MWRRG
EPA
City of Melbourne
City of Port Phillip
AORA
Veolia
CR Hudson & Assoc P/L
Ecodev



Low carbon alternatives to be piloted in research project

Onsite composting



Offsite composting



FOGO – To bag or not to bag

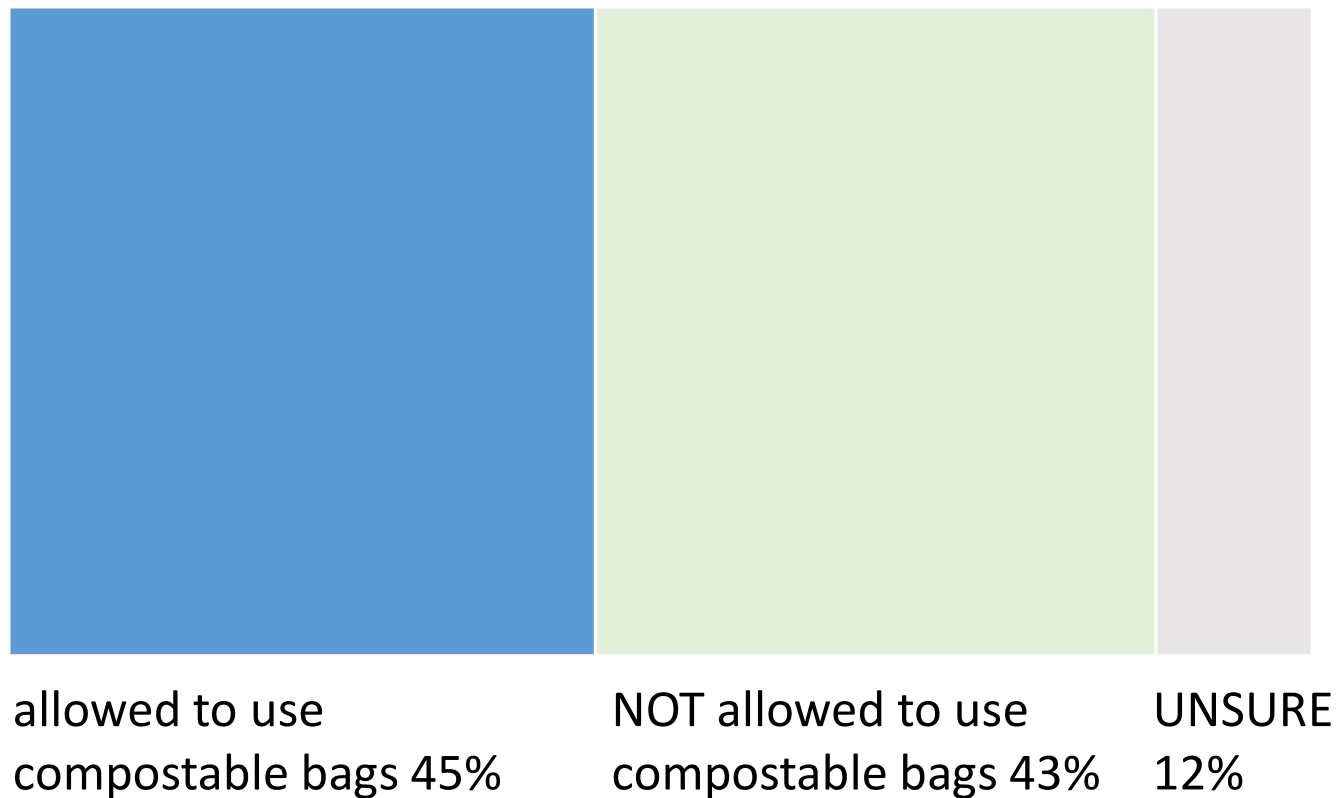
How do people feel about separating their food scraps?
What difference do compostable bags make?



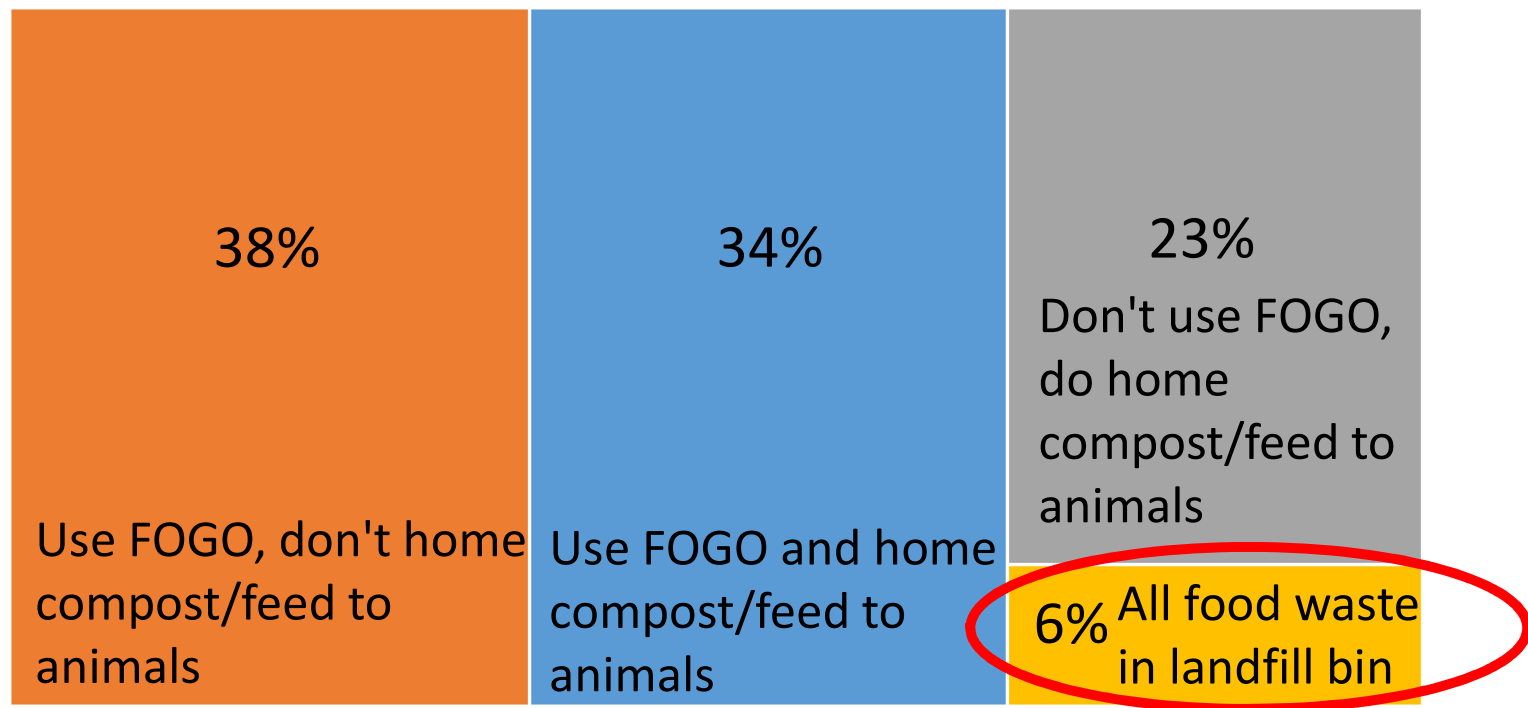
Food Waste survey April 2018
Experience sampling May 2018

Undertaken in collaboration
with Professor Yoshihisa
Kashima and Dr Ilona McNeil,
Melbourne University

Food waste survey -269 respondents across Australia
all resident in a council that had rolled out kerbside
FOGO

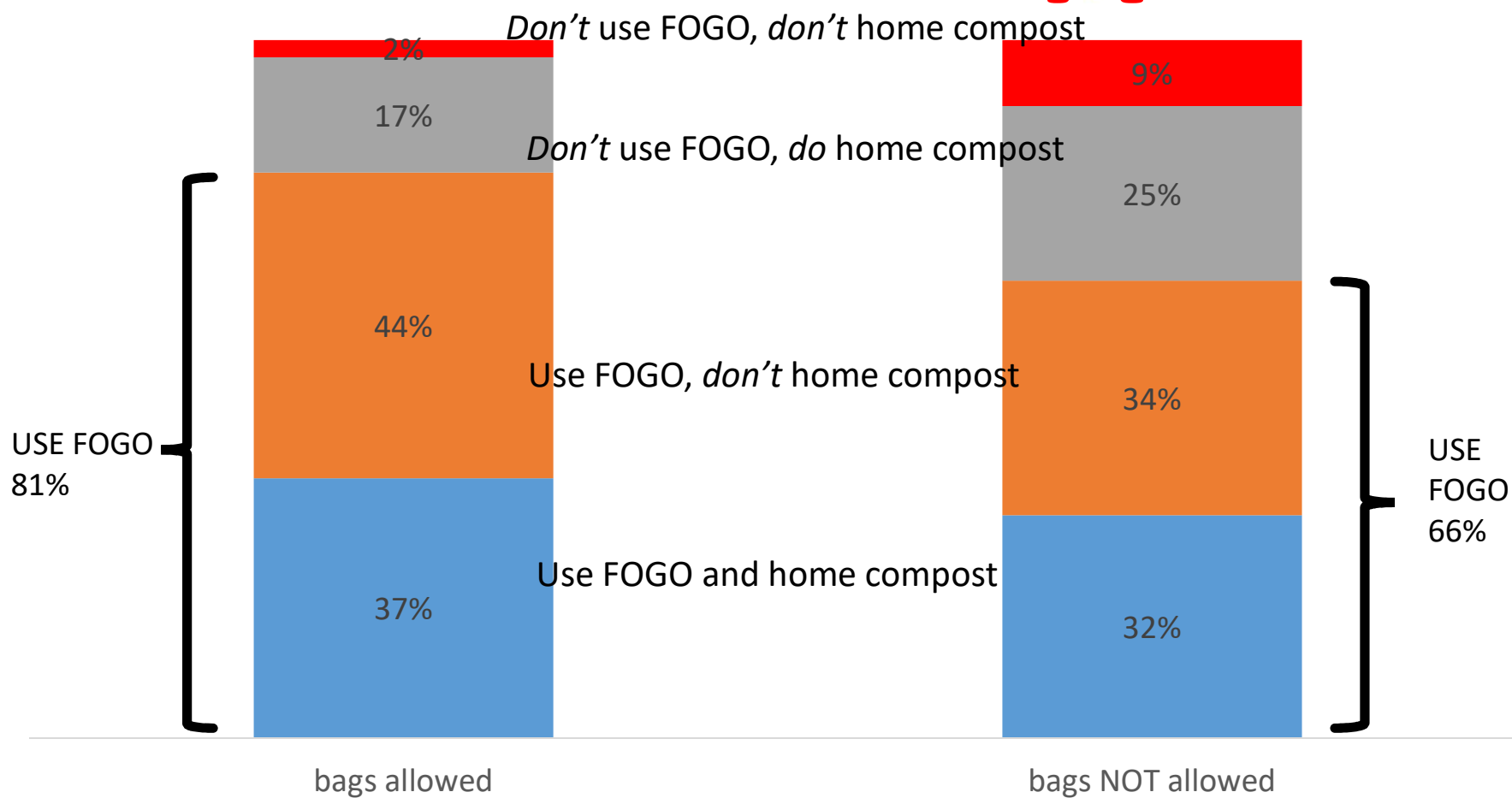


Use of FOGO bin and home composting/feeding to animals

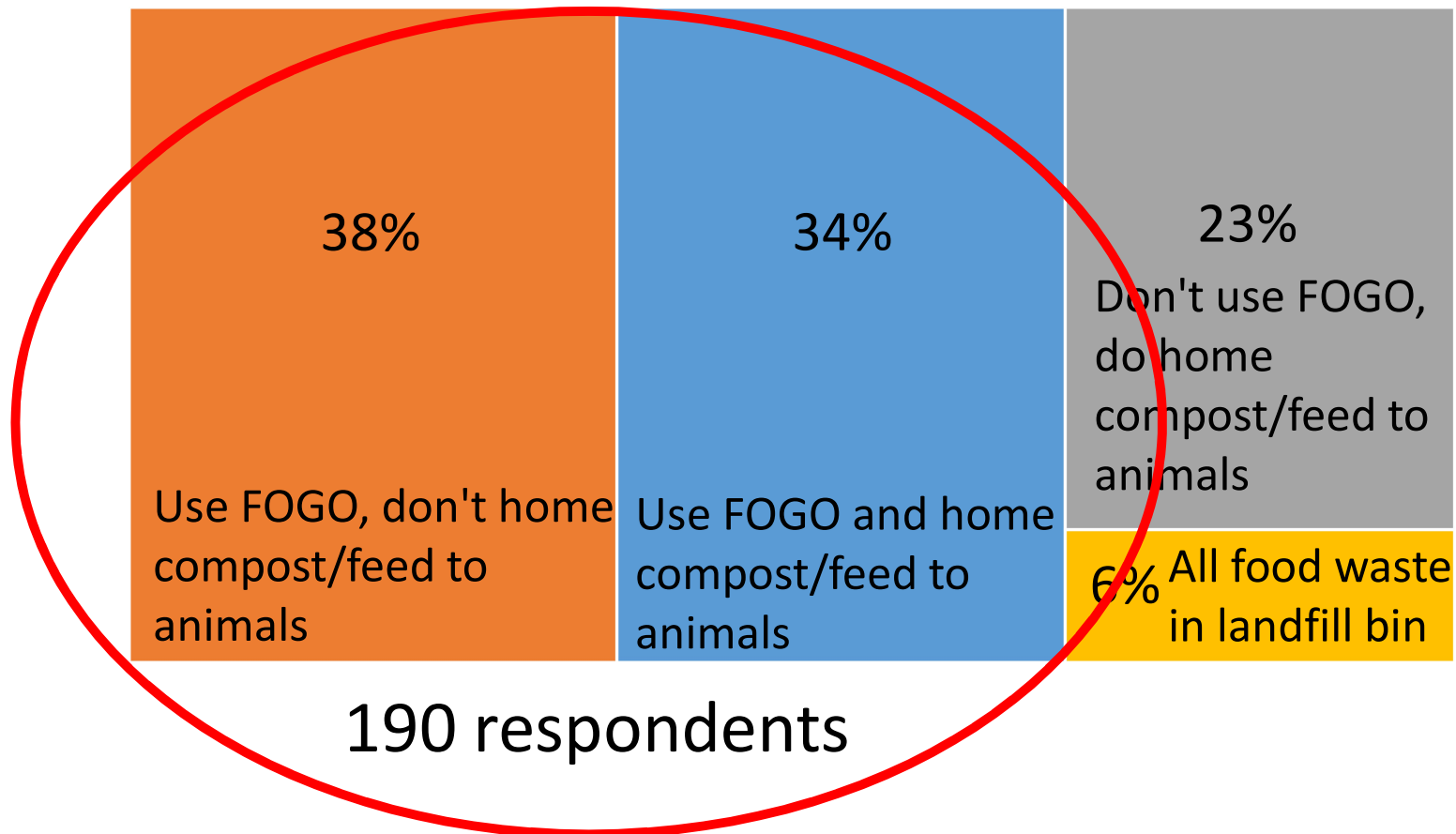


The 6% who put all food waste in landfill bin
- only 16 respondents

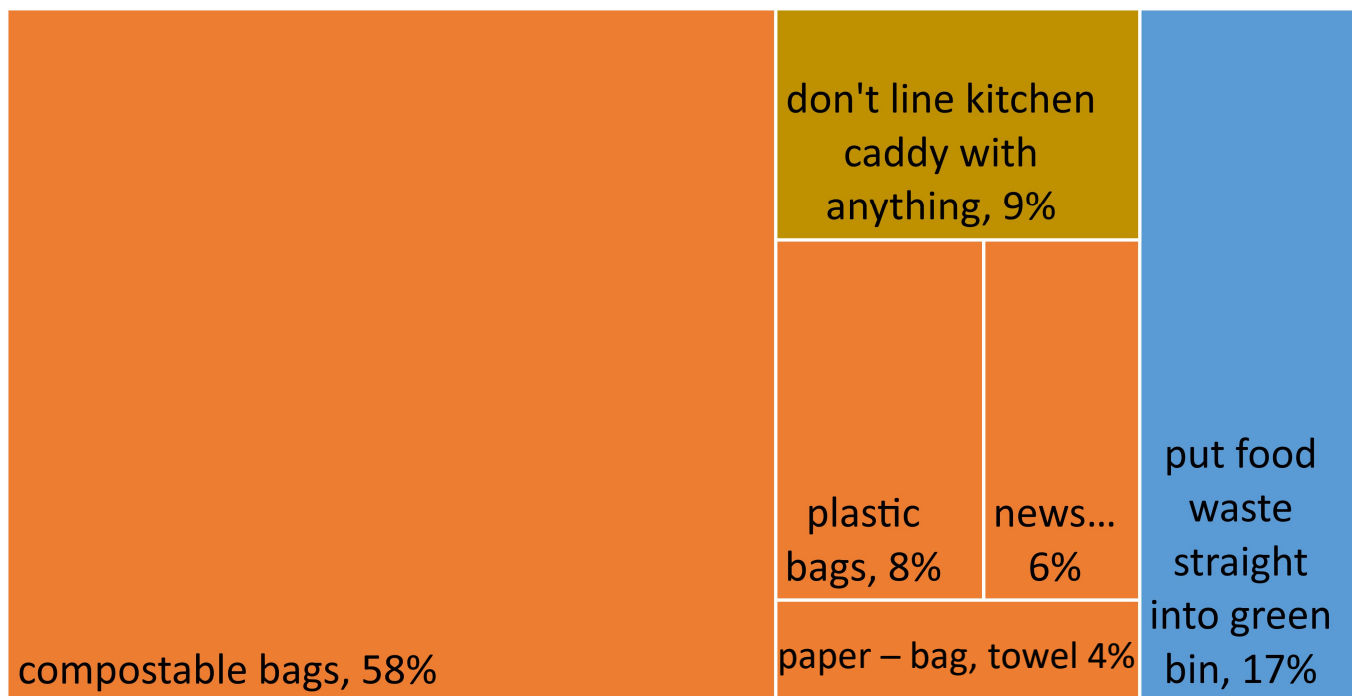
- Tended to be older (9 of 16 were aged over 65)
- Four of 16 spoke a language other than English at home
- Four of 16 were in a flat/unit/apartment
- They all separated other recyclables at least sometimes
- 11 out of 16 lived in areas where they were not allowed to use compostable bags



Use of FOGO bin and home composting/feeding to animals

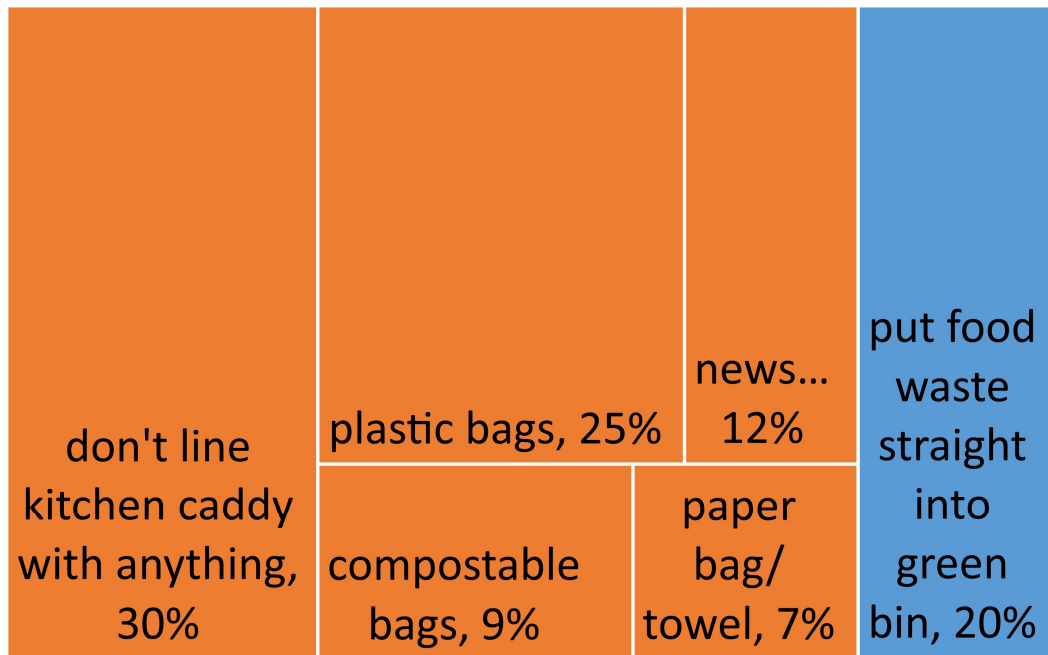


Type of liner used in kitchen caddy



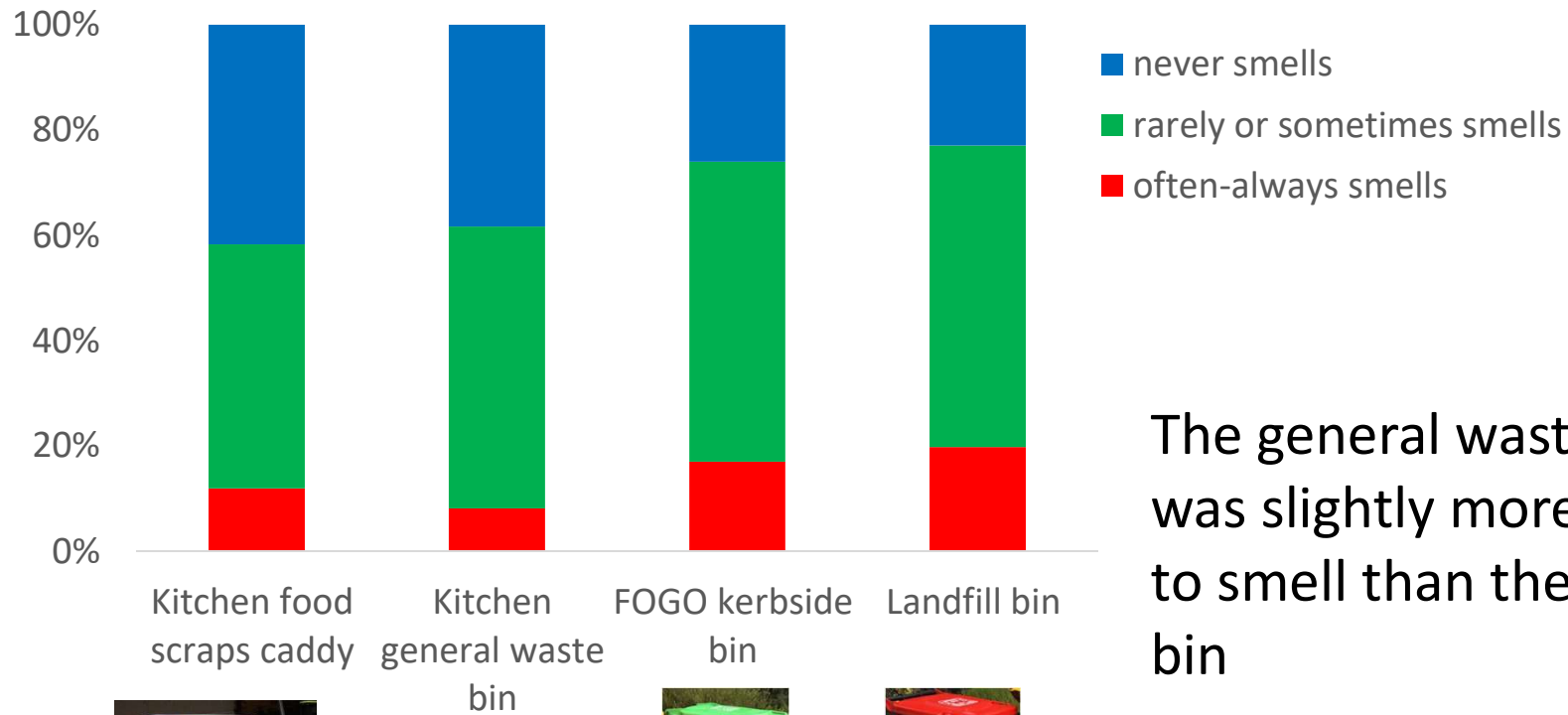
Of those who participate in FOGO and are allowed to use compostable bags, (n=98)

Type of liner used
in kitchen caddy



Of those who participate in FOGO and are NOT allowed to use compostable bags, (n=76)

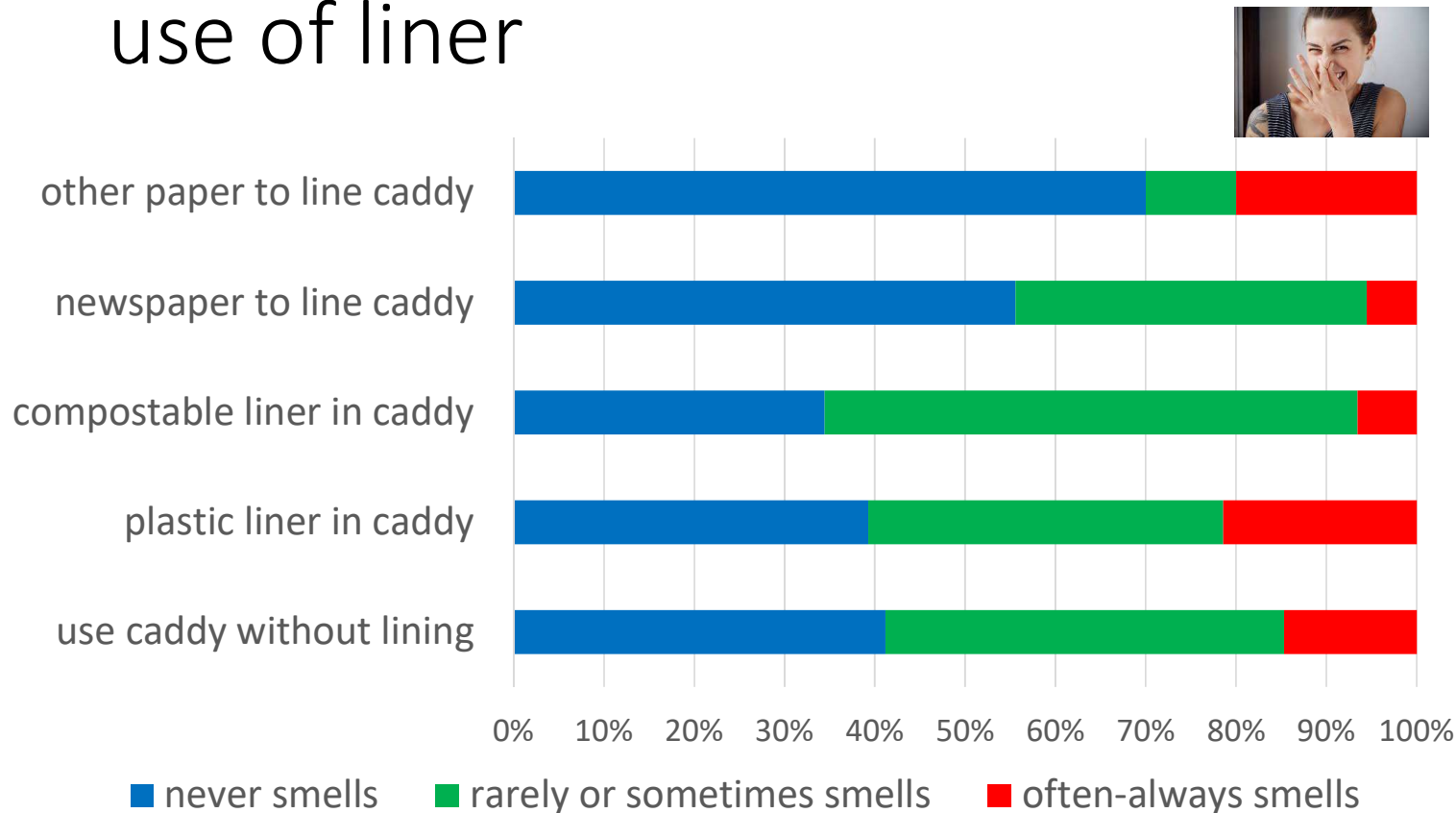
Perceived odour of bins



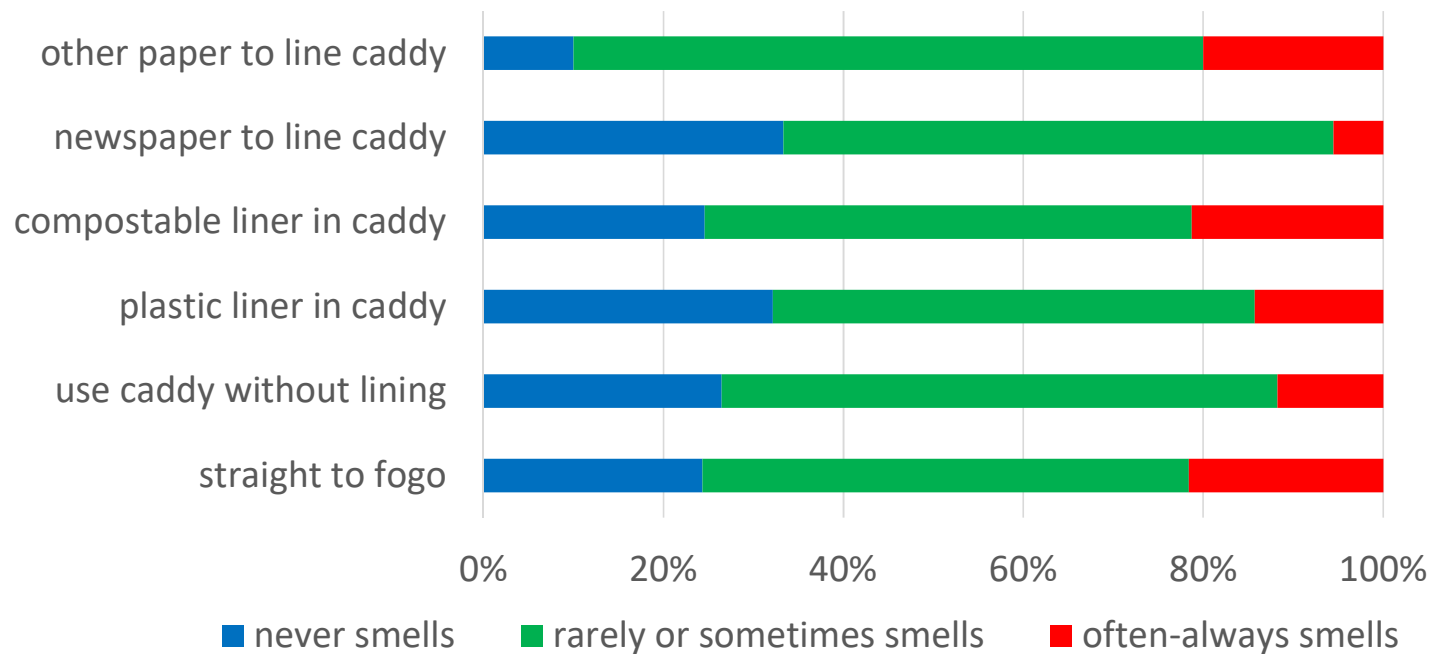
The general waste bin was slightly more likely to smell than the FOGO bin



Perceived odour of kitchen caddy according to use of liner



Perceived odour of kerbside FOGO bin according to use of caddy and liner



Positive emotions experienced when
doing the right thing outweigh negative
emotions experienced when doing the
wrong thing

All emotions ever experienced when dealing with food scraps

pleased	pleased	proud	guilty	41-60%
relaxed	content	content	annoyed	
content	relaxed	relaxed	disgusted	
proud	proud	pleased	relaxed	
optimistic	optimistic	optimistic		21-40%
indifferent	indifferent	indifferent	indifferent	10-20%



Food scraps into kitchen caddy



Kitchen caddy emptied into FOGO



Food scraps directly into FOGO



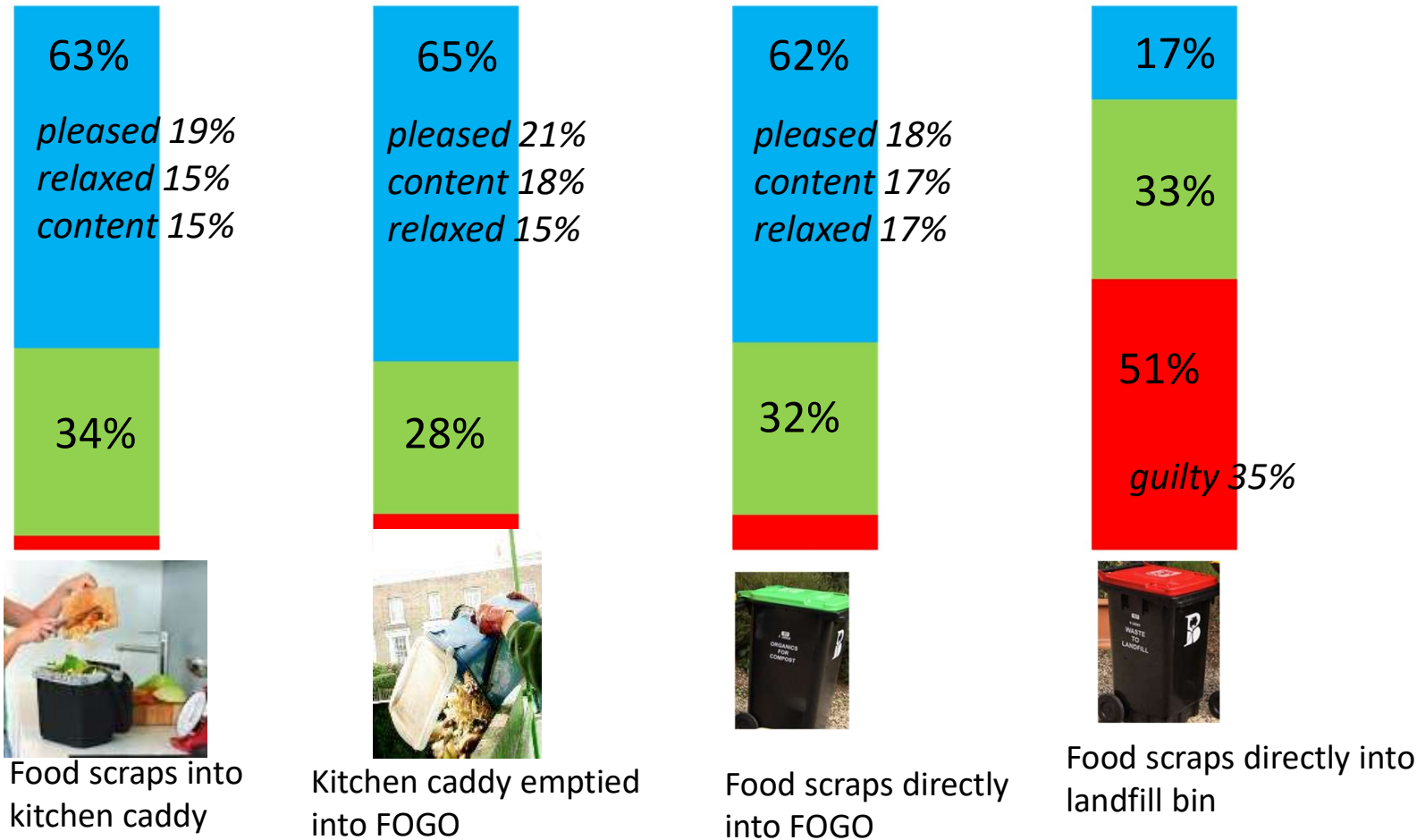
Food scraps directly into landfill bin

The emotion which best describes how they feel when dealing with food scraps

Positive emotion

Indifferent

Negative emotion

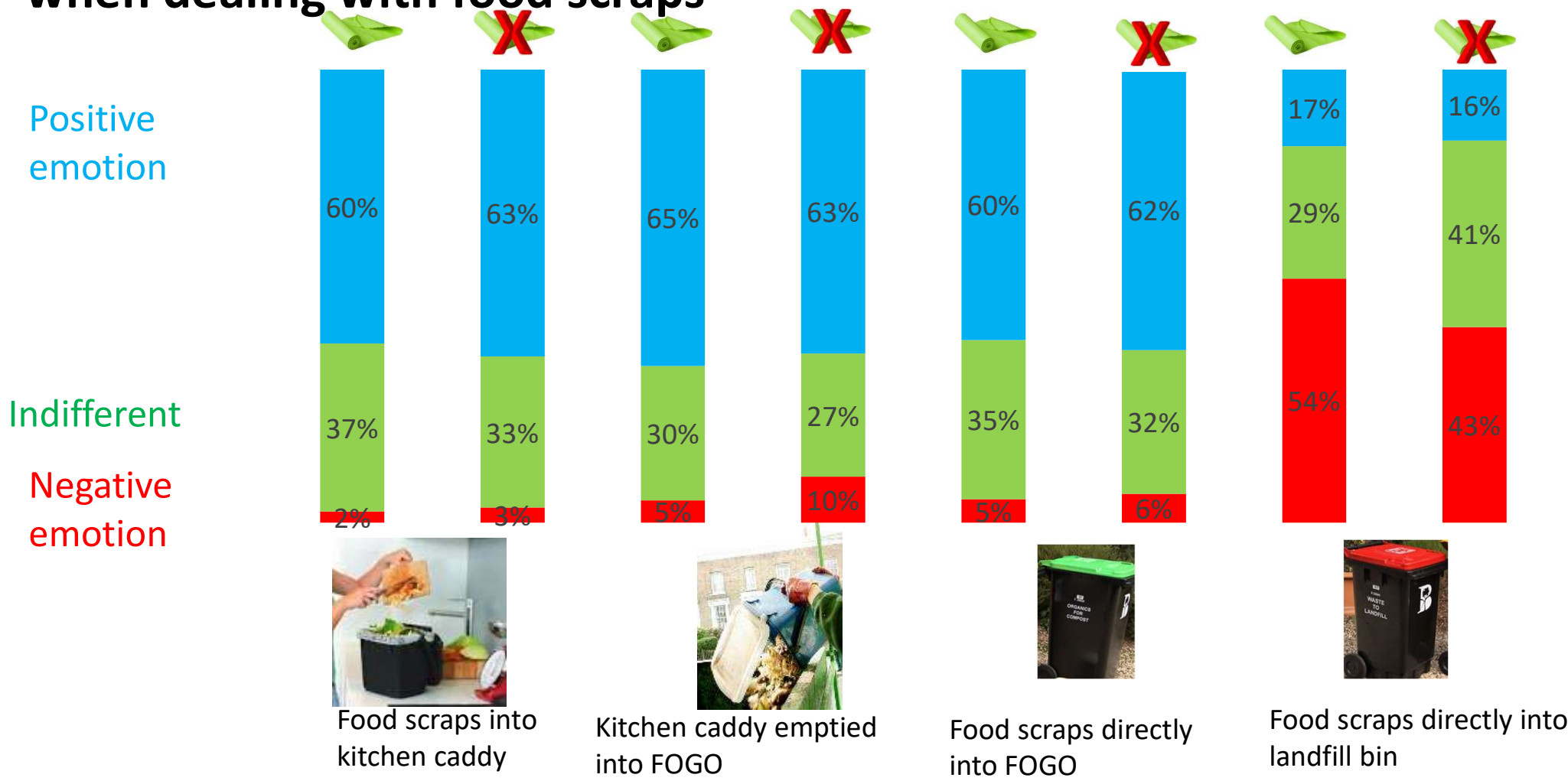


When analysed according to whether or not council allows use of a compostable bag

- Those not allowed to use a bag are more likely to feel **anxious** about emptying the kitchen caddy into FOGO

- Those allowed to use a bag feel more **annoyed** and more **guilty** if they do the wrong thing.

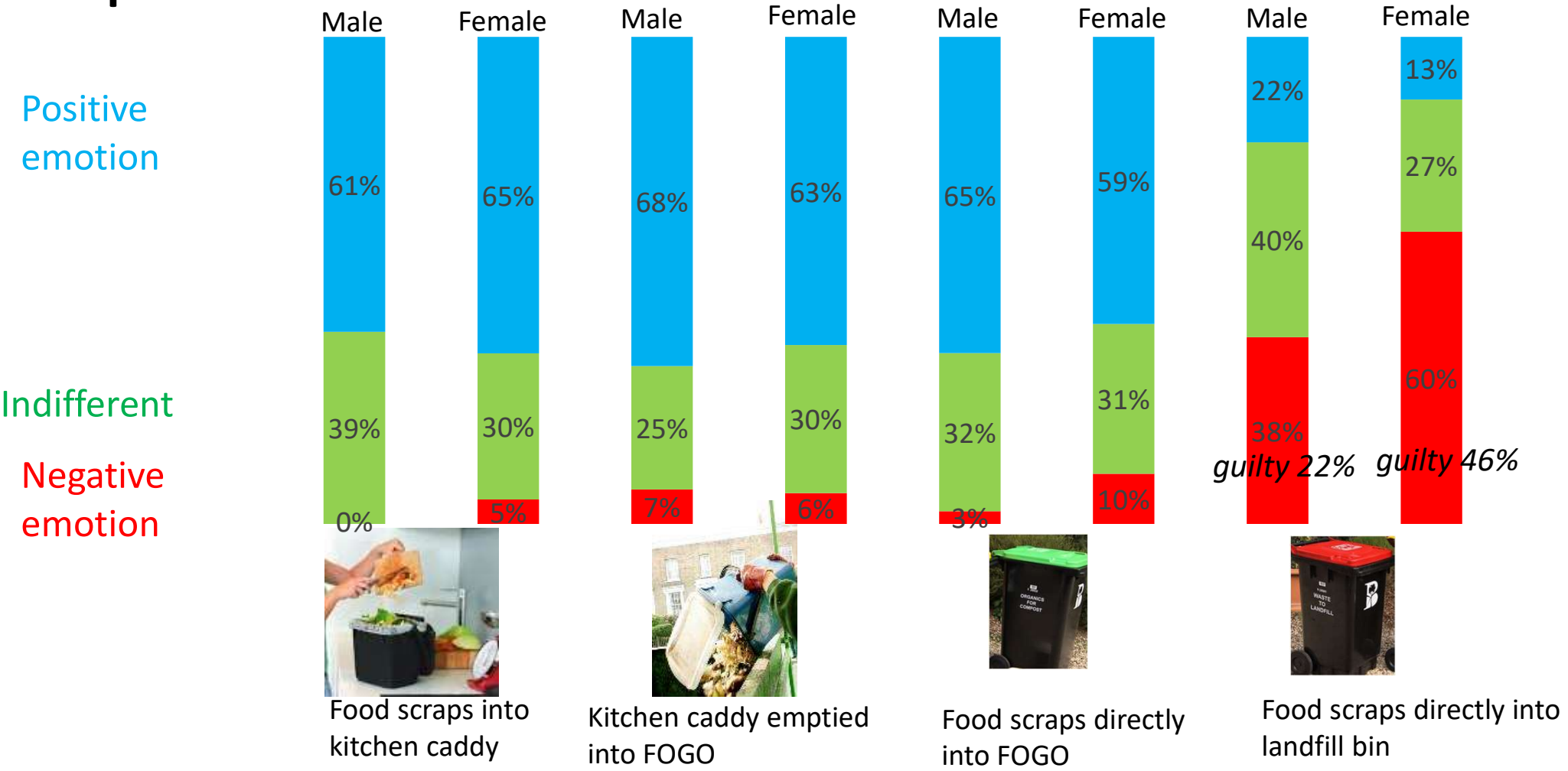
The emotion which best describes how they feel when dealing with food scraps



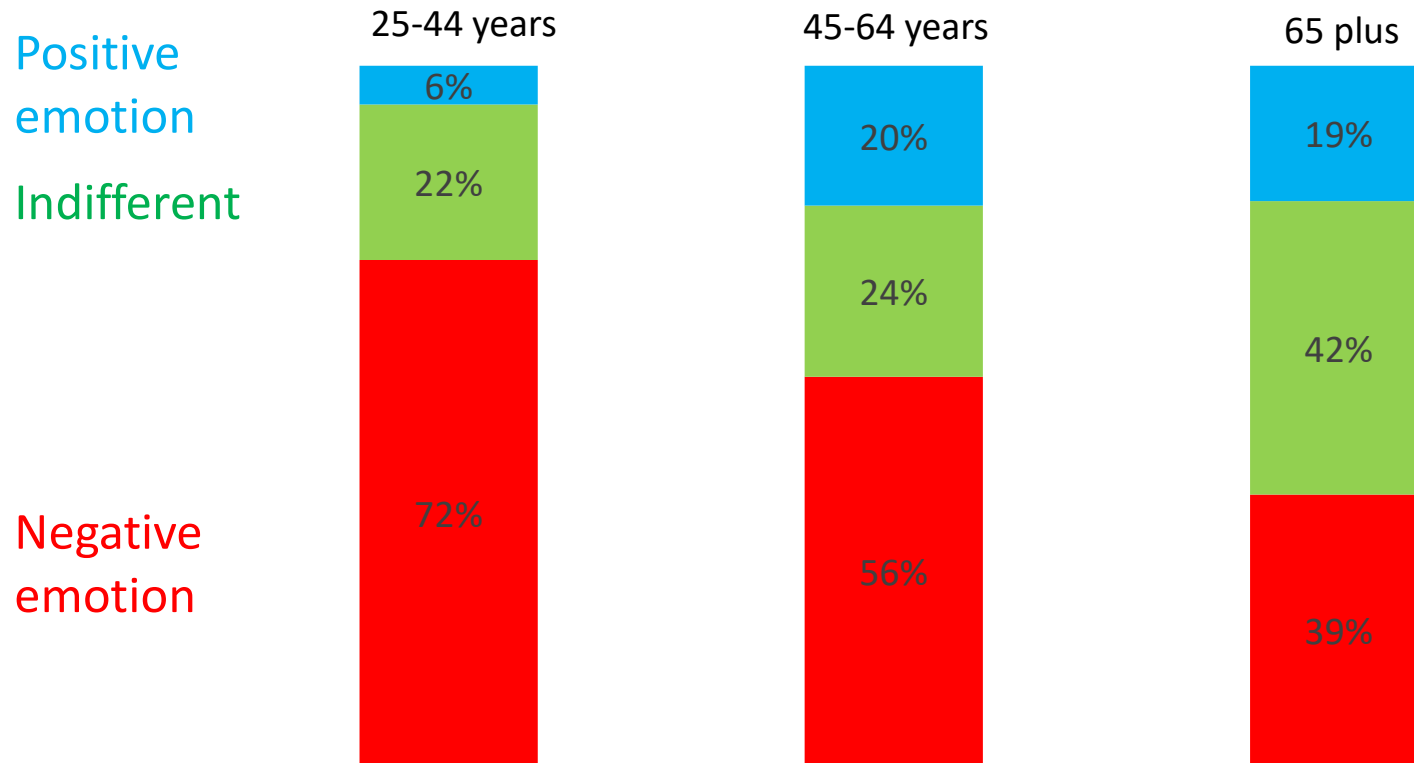
When analysed according to gender –

- Not much difference when doing the right thing
- Men feel **much less guilty** than women if they do the wrong thing.

The emotion which best describes feeling when dealing with food scraps



Younger people more likely to feel **guilty** about doing the wrong thing

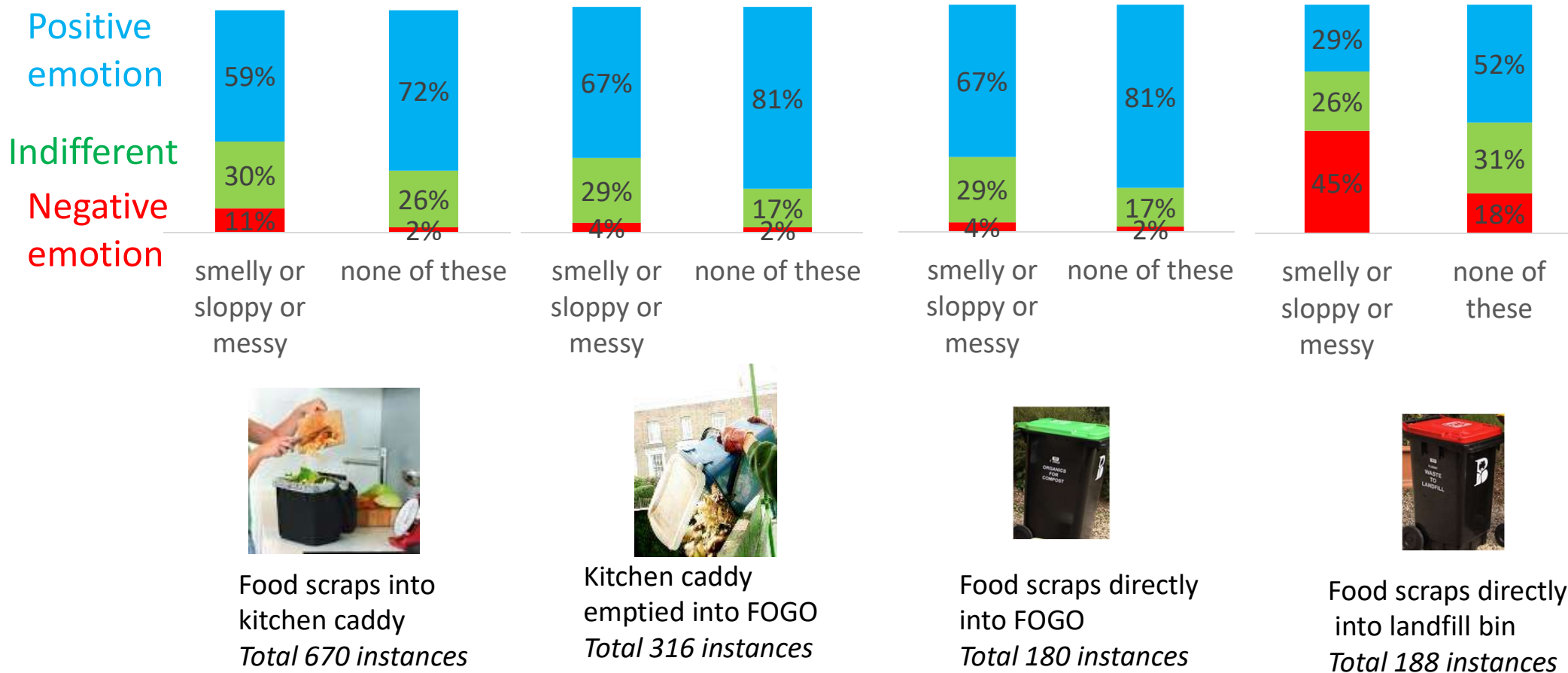


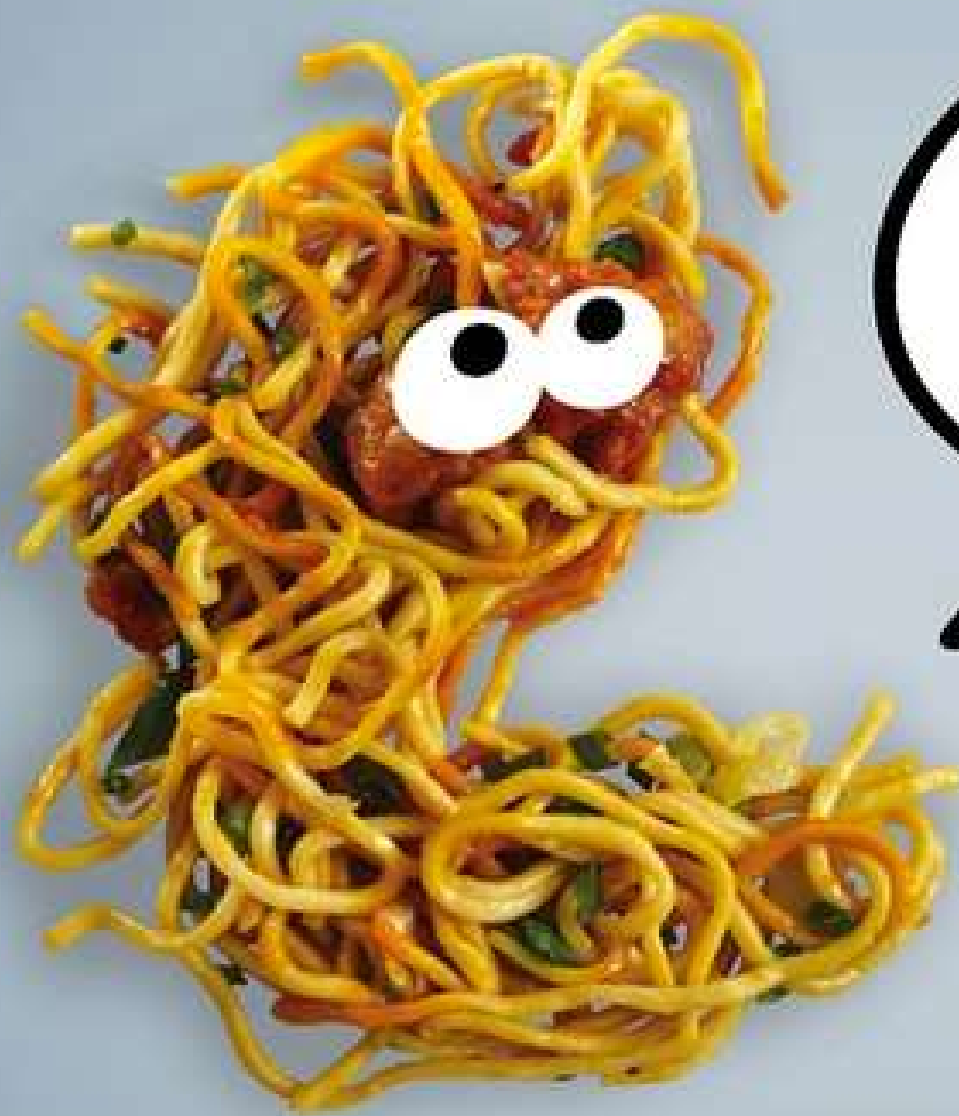
Food scraps
directly into
landfill bin

Instances of food scraps being smelly or sloppy or **messy**



How messy, sloppy, or smelly food scraps affect how people feel about handling them





hey!

**food
scraps**

belong in your
green bin **food isn't
garbage**