

Mapping of food waste in municipal pre-schools, schools and elderly homes 2019

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Food waste in schools: 60 tonnes per day

Varje år slängs stora mängder mat i svenska skolrestauranger.

Matsvinnet uppgår till drygt 60 ton mat per dag, enligt Livsmedelsverkets nationella kartläggning.

– Det är ett enormt slöseri med resurser, säger projektledaren Karin Fritz.



Public meals in Sweden - background

- 3 millions meals per day
 - 1,2 million lunches in schools
 - 500 000 lunches in pre-schools
 - 100 000 lunches in elderly care
 - 70 000 lunches in hospitals



Two different types of kitchens

- **Producing kitchens:** generates both ineatable and eatable food waste
- **Receiving kitchens:** mainly generates eatable food waste

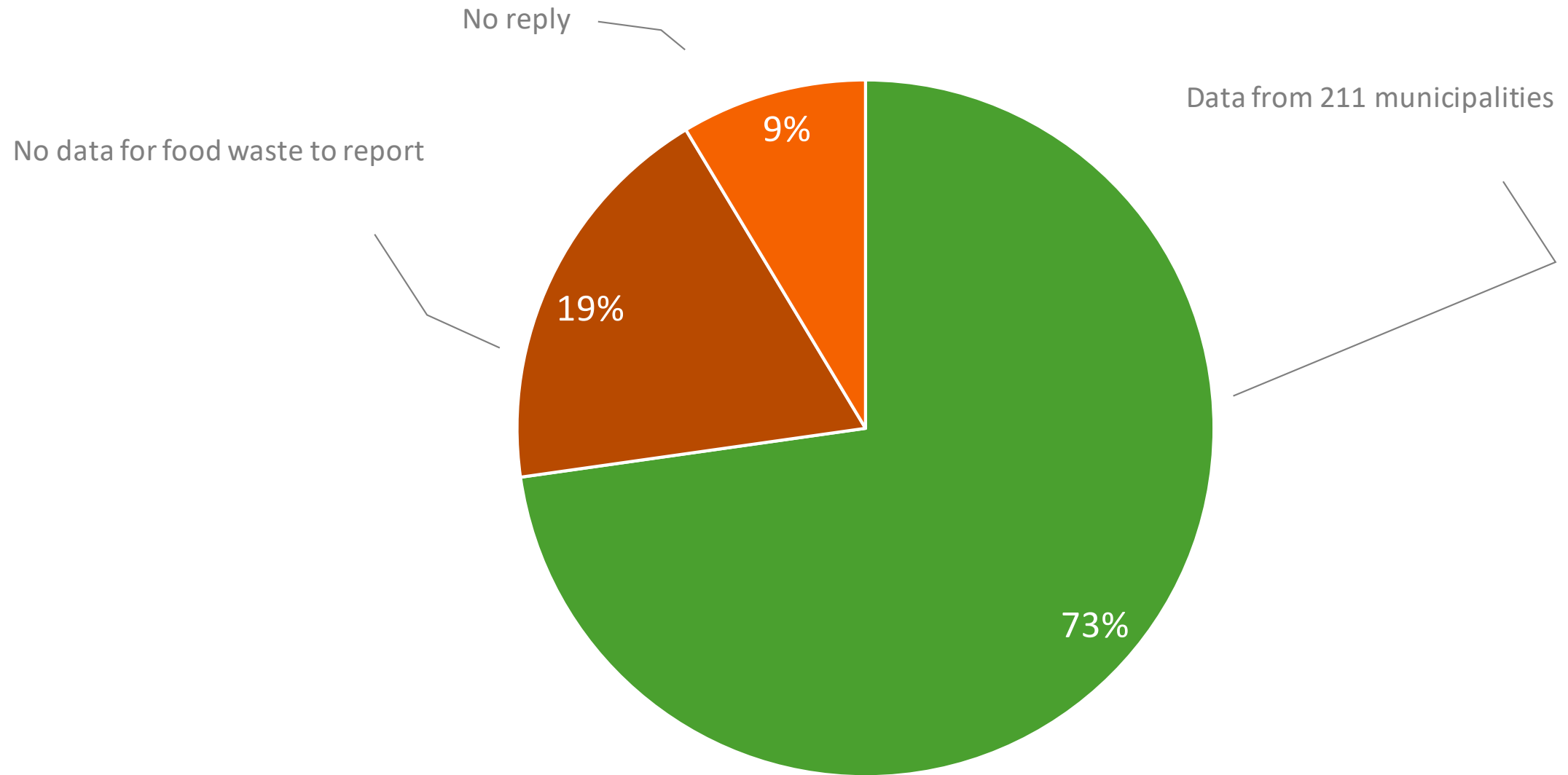


Mapping of eatable parts of food waste

- During the Autumn 2019 a survey was sent to the meal managers in Sweden's municipalities
- On a voluntarily basis
- Self reported data for 5 days from lunches
- Aggregated data from each operational area
 - Pre-schools
 - Schools
 - Elderly homes



How many municipalities answered?



We asked about these three different kinds of food waste



Kitchen waste

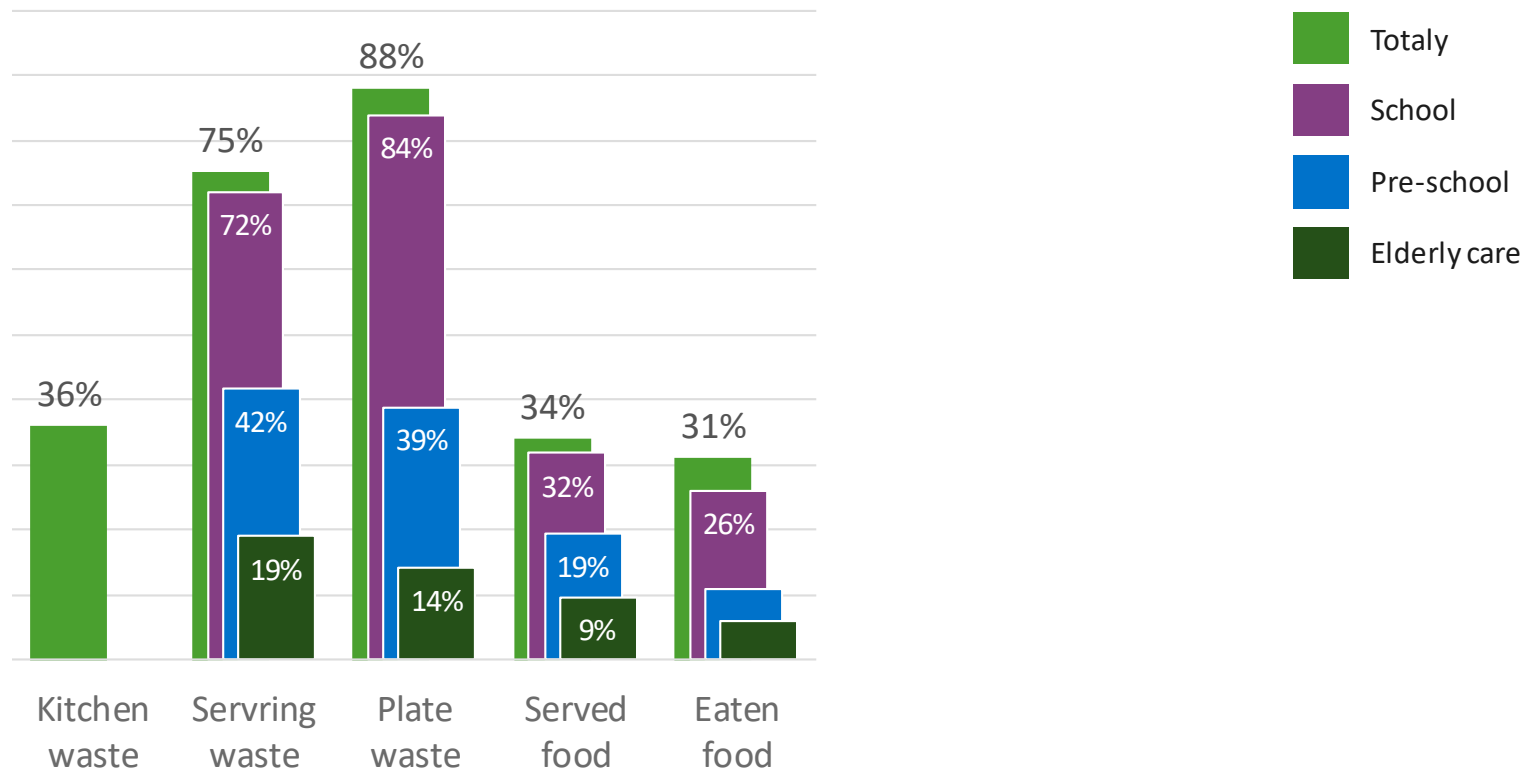


Serving waste



Plate waste (scrape)

The schools reported mostly!



Which operational area has the lowest food waste?

1. Schools
2. Pre-schools
3. Elderly care



Pre schools

	Gram/person		
	Lowest value	Highest value	Median
Kitchen waste	0,2	99	11
Servering waste	8	202	35
Plate waste	6	102	21

Schools

	Gram/person		
	Lowest value	Highest value	Median
Kitchen waste	0,2	99	11
Servering waste	2	178	28
Plate waste	7	185	21

Elderly care

	Gram/person		
	Lowest value	Highest value	Median
Kitchen waste	0,2	99	11
Servering waste	19	214	85
Plate waste	7	156	29

Food waste in schools on a national level!

Servering waste

5,5 kg /pupil and year

34 tonnes/lunch

6 100 tonnes/year

Plate waste

4,5 kg / pupil and year

28 tonnes/lunch

5 000 tonnes/year

Kitchen waste

The data to unsure

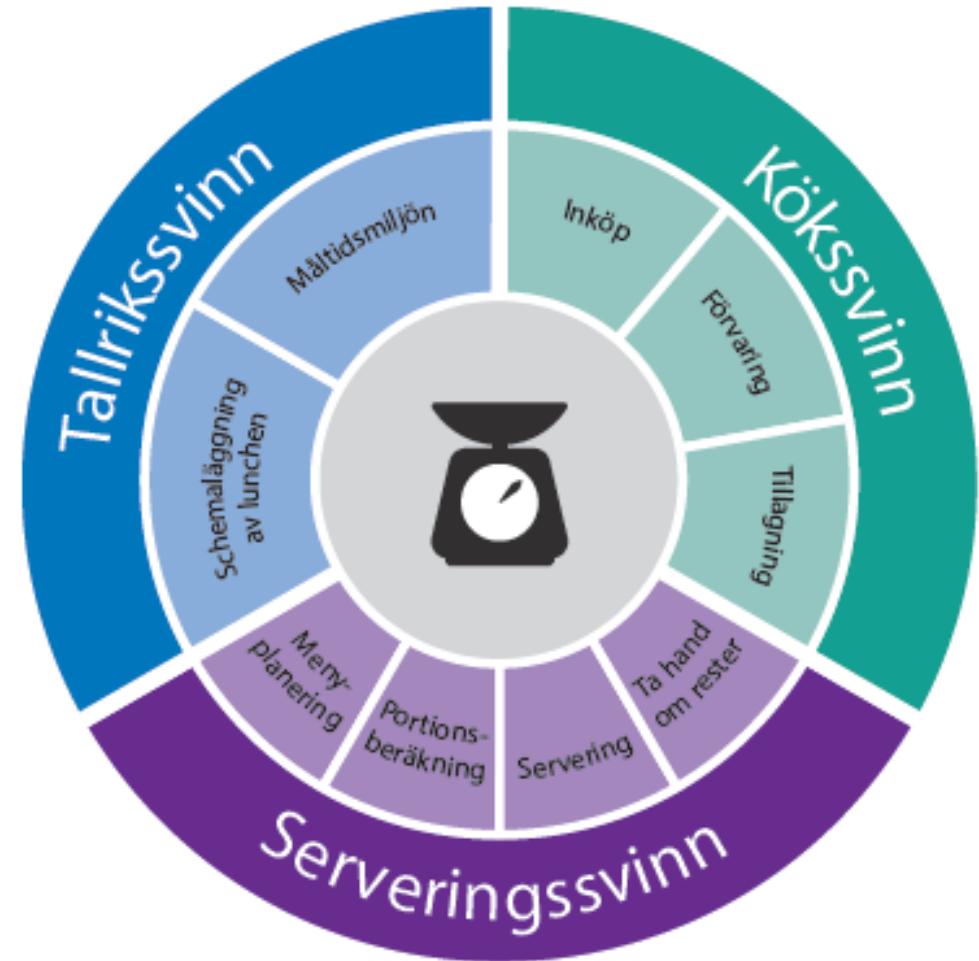
Conclusions from the mapping 2019

- The serving waste is bigger than the plate waste
- The total amount of food waste: around 60-70 gram per lunch in pre-school and school higher in elderly homes
- Few measures food waste in elderly care
- Not common to measure the kitchen waste

**Mainly not too much food is cooked, instead
too less food is eaten!**

Tools to work with actions for reducing the food waste (and continue measuring)

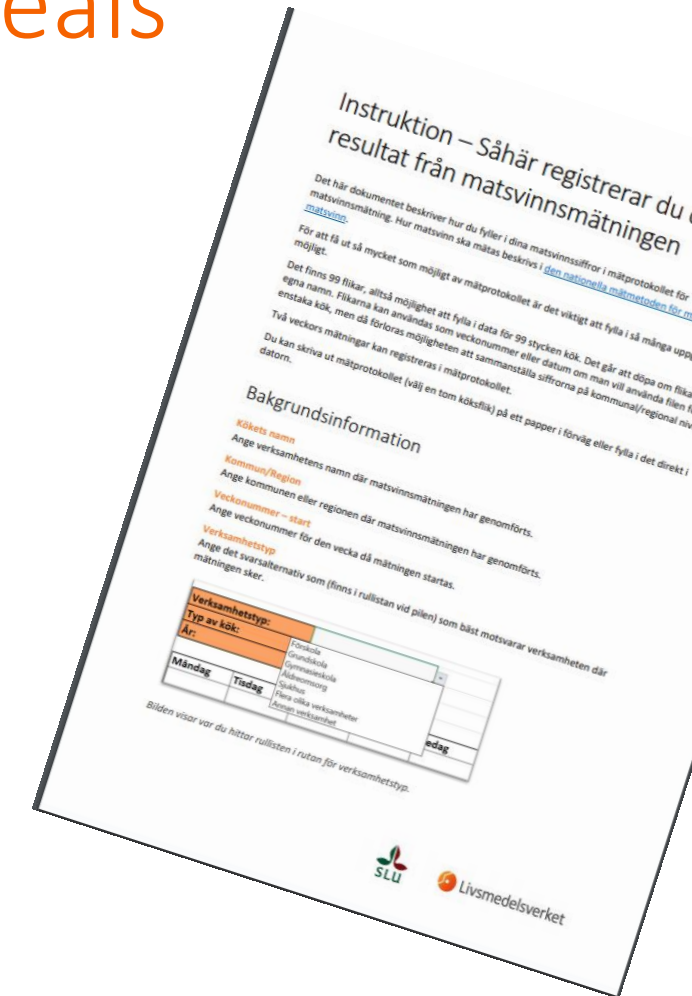
Handbook to reducing food waste



National measuring method for public meals

- Since December 2018, for
- Measuring log with instructions

Bakgrundsinformation		Mätprotokoll för matsvinn						
Kökets namn:		Verksamhetstyp:						
Kommun/Region:		Typ av kök:						
Veckonummer - start:		År:						
Mätresultat		Vecka						
		Måndag	Tisdag	Onsdag	Torsdag	Fredag	Lördag	Söndag
Mängd serverad mat (kg):								
Mängd serverad mat minus sparad mat (kg):	Beräknas automatiskt							
Kökssvinn (kg): Fyll i <i>antingen</i> Lagrings- eller Berednings- /Tillagningssvinn <i>eller</i> raden Kökssvinn nedan	Lagringssvinn:							
	Beredningssvinn:							
	Tillagningssvinn:							
	Kökssvinn: Beräknas automatiskt							
Kökssvinn, ej uppdelat (kg):								
Serveringssvinn (kg):								
Tallrikssvinn (kg):								
Kommentarer:								
Totalt uppmätt matsvinn (kg):	Beräknas automatiskt							
Antal ätande:								
Totalt uppmätt matsvinn per ätande i gram:	Beräknas automatiskt							
Totalt uppmätt matsvinn i procent:	Beräknas automatiskt							
Uppäten mängd mat per ätande i gram:	Beräknas automatiskt							
Sparad mat (kg):								



A new mapping 2021 with data from 2020

- We hope to develop the survey so that all food waste is measured (not just edible but also uneatable food waste). So that the data can be used in the reporting.
- There are still challenges in finding good ways to measure and count up to a total.



Links:

Full report in Swedish with English summary

<https://www.livsmedelsverket.se/globalassets/publikationsdatabas/rapporter/2020/I-2020-nr-01---fakta-om-offentliga-maltider-2019.pdf>www.livsmedelsverket.se/matsvinnsmatning



Livsmedelsverket

Swedish Food Agency